

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022520\
 Data File : VL034674.D
 Acq On : 25 Feb 2020 15:47
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022520

Quant Time: Feb 26 00:46:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 25 15:47:55 2020
 QLast Update : Tue Feb 25 15:47:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1160548	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2421569	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3045833	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2044501	8.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.01	85	1445508	7.993	ppbv 97
3) Chlorodifluoromethane	2.95	51	1278233	9.072	ppbv 99
4) Chloromethane	3.10	50	733342	8.437	ppbv 99
5) Vinyl Chloride	3.22	62	695398	8.725	ppbv 95
6) Bromomethane	3.44	94	384305	9.464	ppbv 94
7) Chloroethane	3.53	64	257669	8.800	ppbv 92
8) Dichlorotetrafluoroethane	3.15	85	1545834	8.480	ppbv 100
9) Propene	2.97	41	563625	9.807	ppbv 99
10) Heptane	8.14	43	1505635	9.890	ppbv 98
11) Trichlorofluoromethane	3.93	101	1523104	8.260	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1055482	8.290	ppbv 97
13) Ethanol	3.57	45	151881	8.836	ppbv 100
14) Bromoethene	3.71	108	481803	9.161	ppbv 100
15) Acetone	3.82	43	1235771	7.709	ppbv 99
16) 1,3-Butadiene	3.29	39	629238	9.247	ppbv 100
17) tert-Butyl alcohol	4.27	59	1125153	9.546	ppbv 100
18) 1,1-Dichloroethene	4.27	96	509766	8.781	ppbv 90
19) Isopropyl Alcohol	3.94	45	1035111	9.307	ppbv 99
20) Methylene Chloride	4.32	84	438558	7.456	ppbv 97
21) Allyl Chloride	4.39	41	884840	9.154	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	478582	8.422	ppbv 95
23) Vinyl Acetate	5.06	43	2052402	10.523	ppbv 98
24) 1,1-Dichloroethane	5.00	63	1457761	8.845	ppbv 99
25) Ethyl Acetate	5.67	43	2488146	8.985	ppbv 99
26) Hexane	5.68	57	1147431	9.346	ppbv 97
27) Carbon Disulfide	4.53	76	1261096	9.059	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1763078	9.981	ppbv 99
29) Chloroform	5.75	83	1707937	8.775	ppbv 97
30) Cyclohexane	7.14	84	937518	9.999	ppbv 98
31) cis-1,2-Dichloroethene	5.55	61	1154092	9.720	ppbv 97
32) 1,1,1-Trichloroethane	6.52	97	1618591	9.136	ppbv 99
34) 2-Butanone	5.23	43	1684397	9.630	ppbv 99
35) Carbon Tetrachloride	7.03	117	1671182	8.974	ppbv 97
36) Benzene	6.90	78	2249634	9.694	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1356178	8.907	ppbv 99
38) Trichloroethene	7.85	130	822457	9.384	ppbv 99
39) 1,2-Dichloropropane	7.63	63	925814	9.708	ppbv 96
40) 1,4-Dioxane	7.84	88	353904	9.816	ppbv # 1
41) Tetrahydrofuran	6.05	42	964237	10.534	ppbv 99
42) Bromodichloromethane	7.81	83	1840188	9.340	ppbv 98
43) Methyl Methacrylate	8.03	69	938143	10.519	ppbv 99

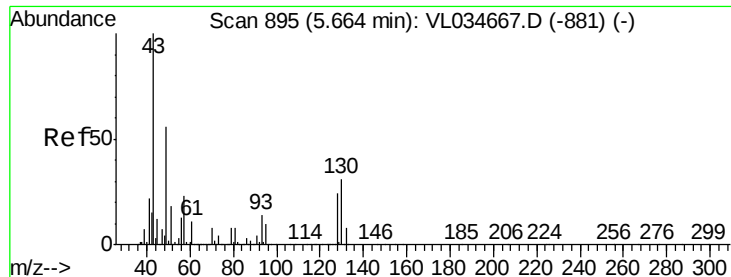
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022520\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3883601	9.319	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1124101	10.630	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1311680	10.617	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	917722	9.087	ppbv	99
48) Dibromochloromethane	10.34	129	1522025	9.789	ppbv	100
49) Bromoform	13.09	173	1313853	9.649	ppbv	98
50) 4-Methyl-2-Pentanone	8.76	43	2552184	10.242	ppbv	100
51) 2-Hexanone	10.16	43	2152139	10.909	ppbv #	99
52) Tetrachloroethene	11.26	164	745838	9.154	ppbv	97
53) Toluene	9.83	91	2535131	10.152	ppbv	100
54) 1,2-Dibromoethane	10.65	107	1392398	9.984	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.17	131	1011190	7.592	ppbv	100
57) Chlorobenzene	12.19	112	1853980	7.262	ppbv	97
58) Ethyl Benzene	12.75	91	3369137	8.180	ppbv	99
59) m/p-Xylene	13.04	91	2127068	5.901	ppbv #	1
60) o-Xylene	13.74	91	2738469	7.603	ppbv	99
61) Styrene	13.57	104	2086086	8.359	ppbv	100
62) Isopropylbenzene	14.71	105	3667558	7.834	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	2017496	7.087	ppbv	100
64) n-propylbenzene	15.61	120	949041	8.003	ppbv	97
65) tert-Butylbenzene	16.79	119	3225926	7.891	ppbv	100
66) Benzyl Chloride	17.04	91	1550327	9.882	ppbv	99
67) sec-Butylbenzene	17.34	105	4599104	7.900	ppbv	100
69) p-Isopropyltoluene	17.70	119	3752668	8.139	ppbv	99
70) n-Butylbenzene	18.60	91	4022738	8.192	ppbv	99
71) 2-Chlorotoluene	15.50	91	2893428	8.073	ppbv	100
72) 4-Ethyltoluene	15.89	105	3159955	7.971	ppbv	98
73) 1,3,5-Trimethylbenzene	16.04	105	3042268	8.080	ppbv	98
74) 1,2,4-Trimethylbenzene	16.81	105	3098061	7.662	ppbv	96
75) 1,3-Dichlorobenzene	17.05	146	1718565	7.264	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1722844	7.393	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1724930	7.595	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1355801	7.395	ppbv	99
79) Naphthalene	22.27	128	2806292	9.316	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	933574	14.824	ppbv	97
81) 1,2,4-Trichlorobenzene	22.00	180	1478116	8.055	ppbv	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

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ClientSampleId :

ICVVL022520

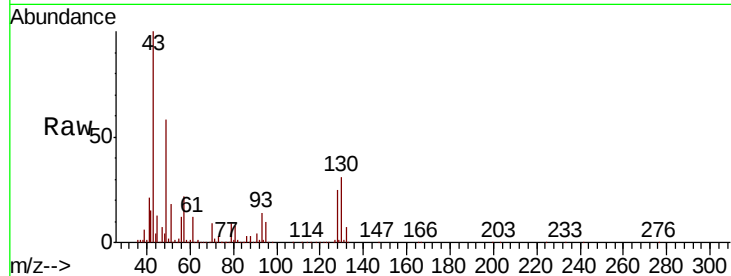
Tot Ion: 49 Resp: 1160548

Ion Ratio Lower Upper

49 100

128 42.9 21.9 65.5

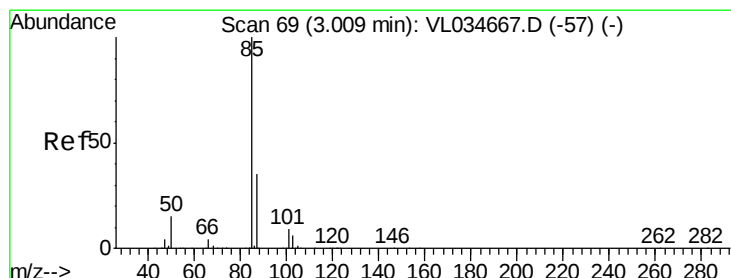
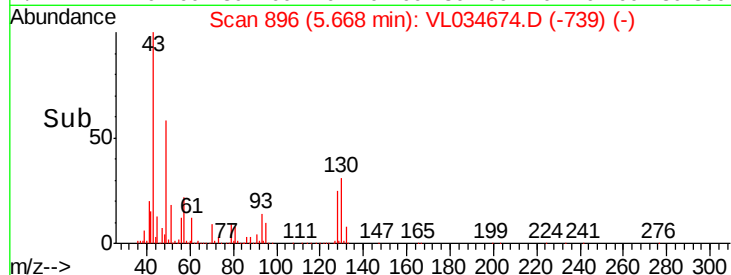
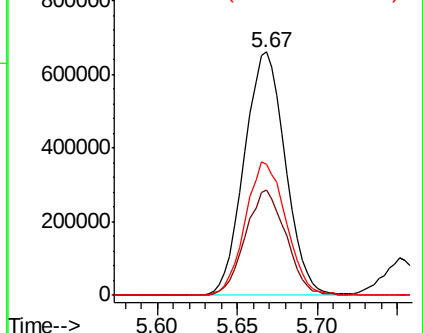
130 54.7 27.9 83.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.993 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL034674.D

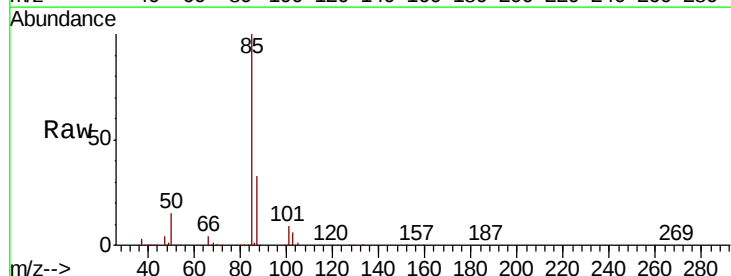
Acq: 25 Feb 2020 15:47

Tgt Ion: 85 Resp: 1445508

Ion Ratio Lower Upper

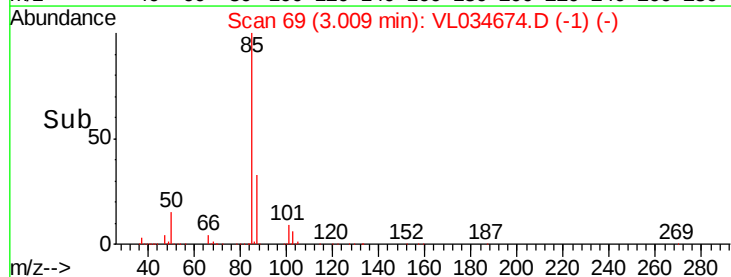
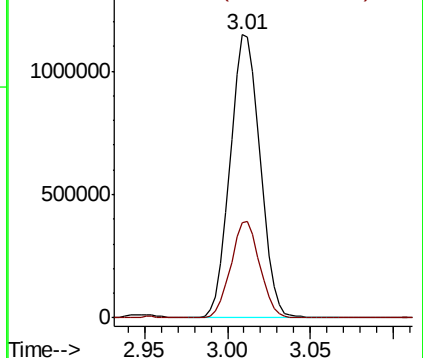
85 100

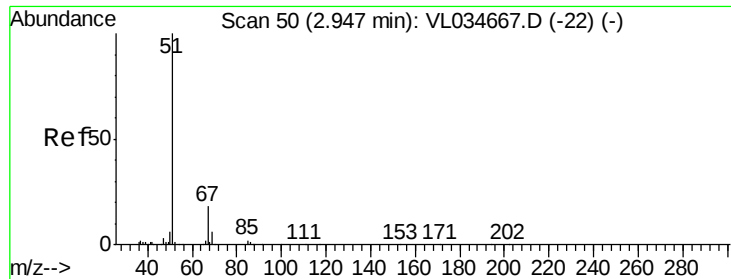
87 33.4 27.9 41.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

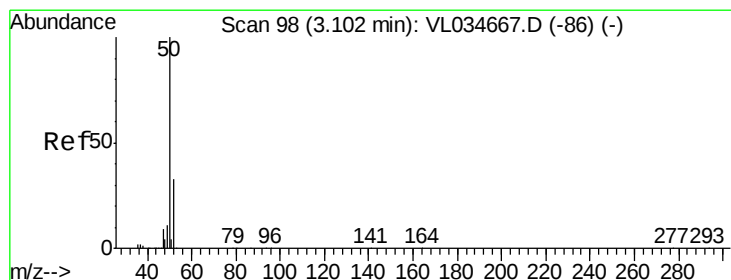
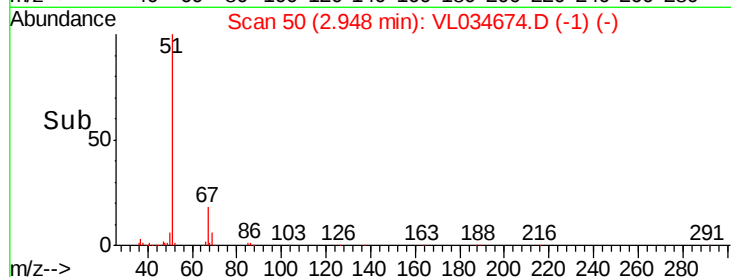
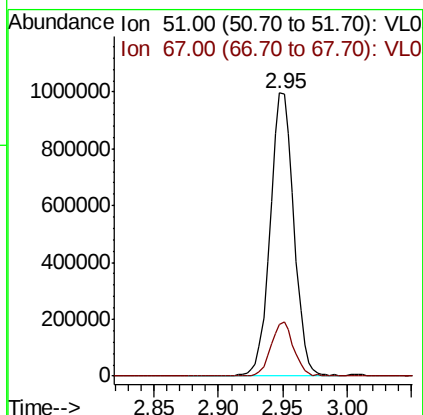
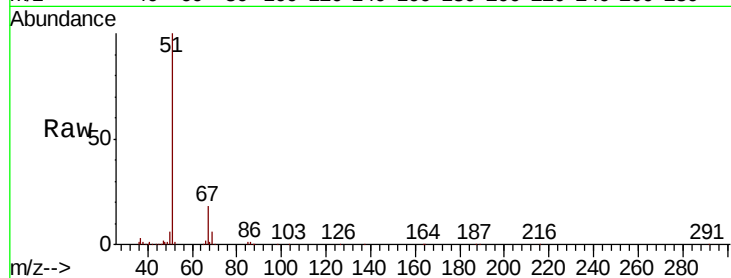




#3
 Chlorodifluoromethane
 Concen: 9.072 ppbv
 RT: 2.95 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

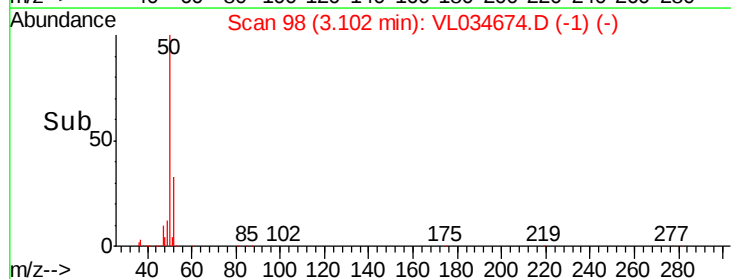
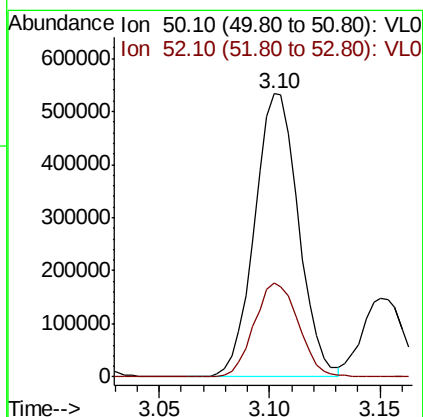
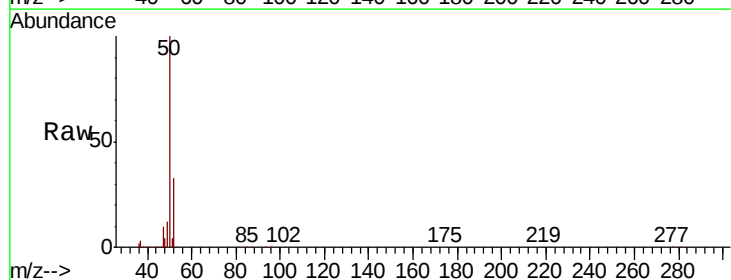
Instrument :
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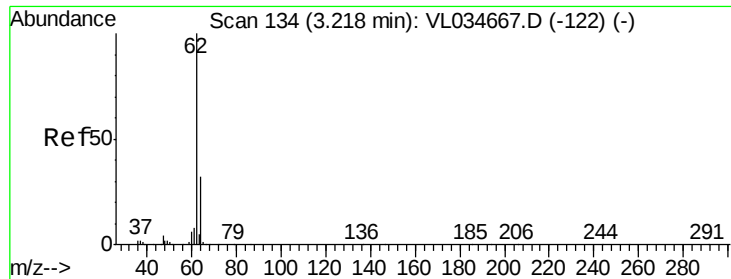
Tot Ion: 51 Resp: 1278233
 Ion Ratio Lower Upper
 51 100
 67 18.3 15.0 22.4



#4
 Chloromethane
 Concen: 8.437 ppbv
 RT: 3.10 min Scan# 98
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Tgt Ion: 50 Resp: 733342
 Ion Ratio Lower Upper
 50 100
 52 33.3 26.2 39.4





#5

Vinyl Chloride

Concen: 8.725 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

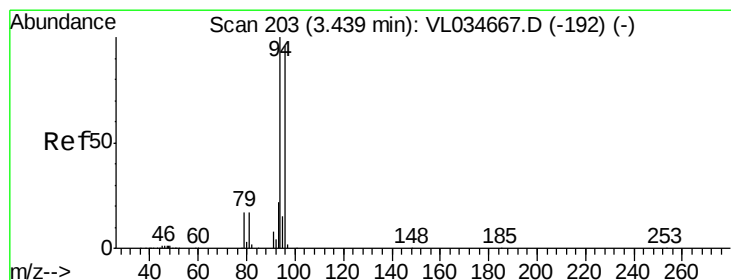
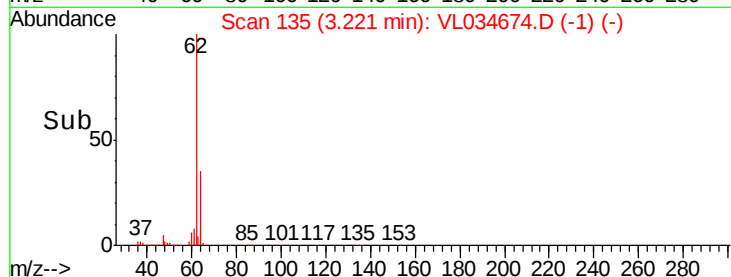
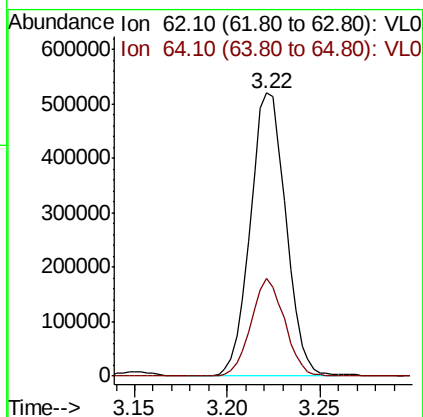
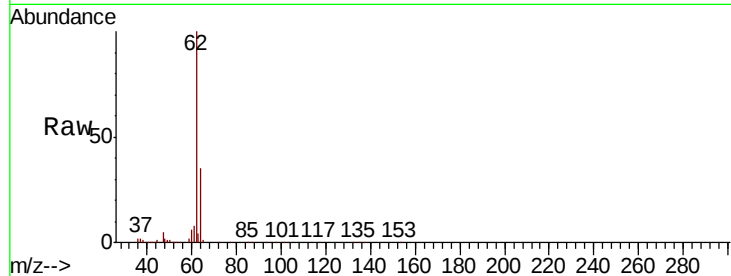
ICVVL022520

Tot Ion: 62 Resp: 695398

Ion Ratio Lower Upper

62 100

64 34.7 25.7 38.5



#6

Bromomethane

Concen: 9.464 ppbv

RT: 3.44 min Scan# 204

Delta R.T. 0.00 min

Lab File: VL034674.D

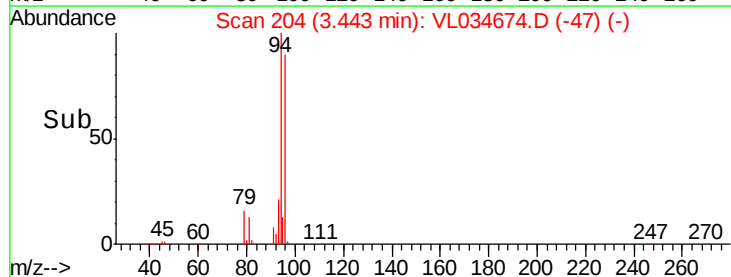
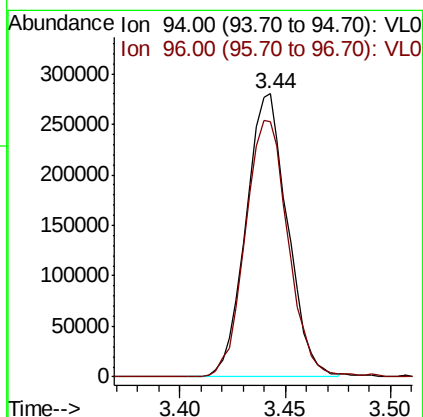
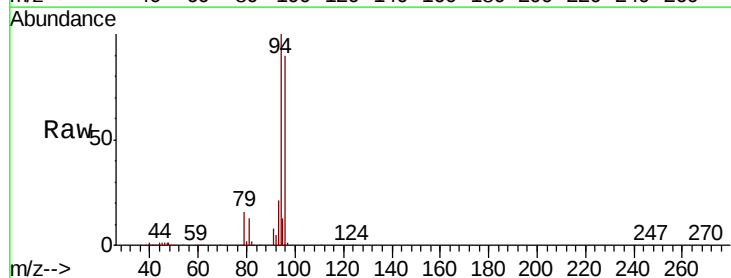
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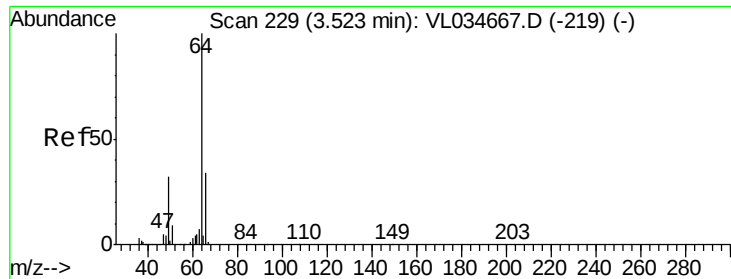
Tgt Ion: 94 Resp: 384305

Ion Ratio Lower Upper

94 100

96 90.2 77.0 115.4





#7

Chloroethane

Concen: 8.800 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

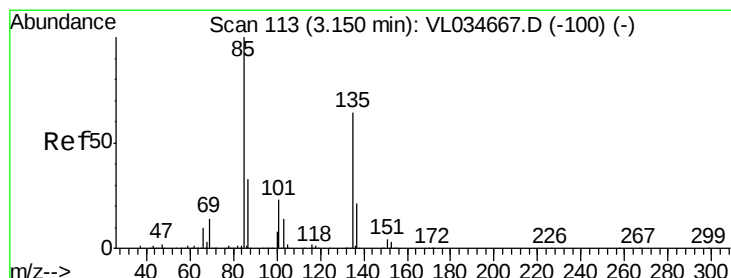
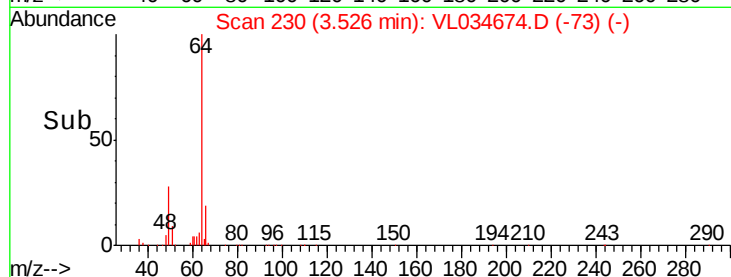
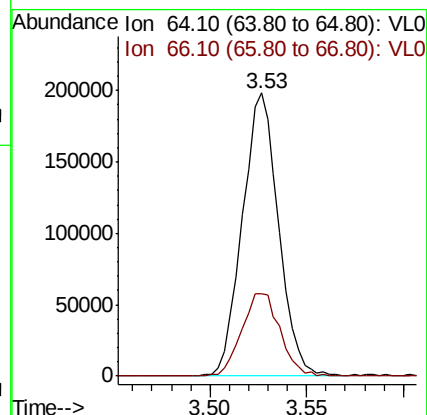
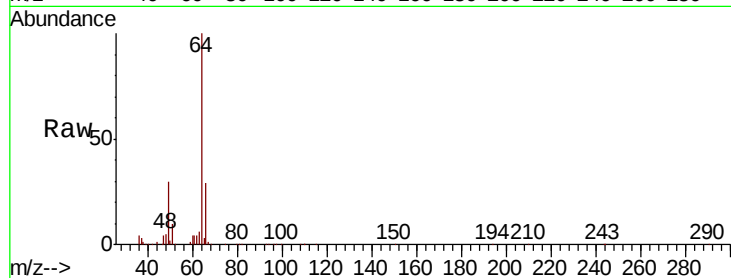
ICVVL022520

Tot Ion: 64 Resp: 257669

Ion Ratio Lower Upper

64 100

66 29.0 26.9 40.3



#8

Dichlorotetrafluoroethane

Concen: 8.480 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL034674.D

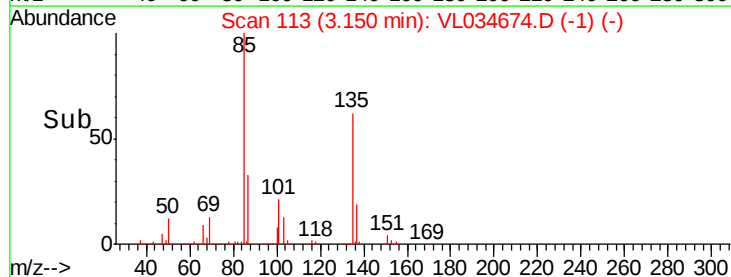
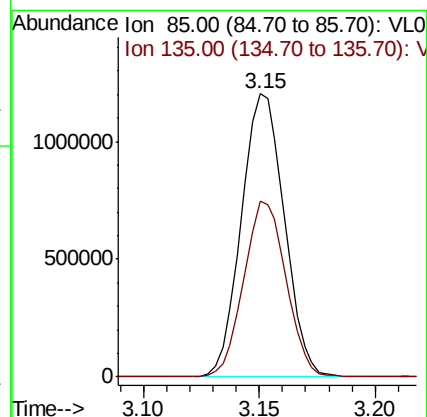
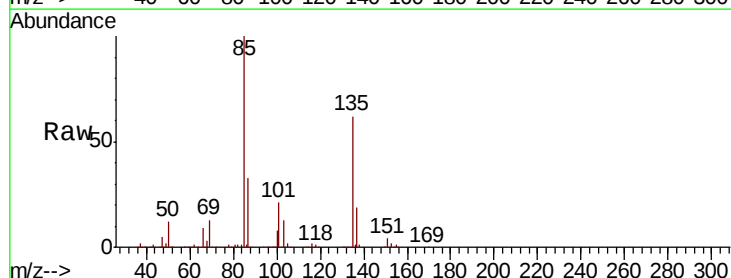
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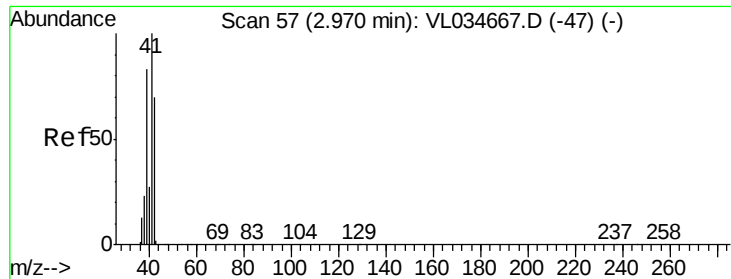
Tgt Ion: 85 Resp: 1545834

Ion Ratio Lower Upper

85 100

135 61.4 49.3 73.9





#9

Propene

Concen: 9.807 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

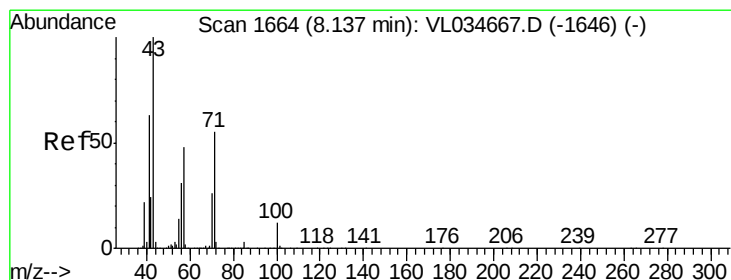
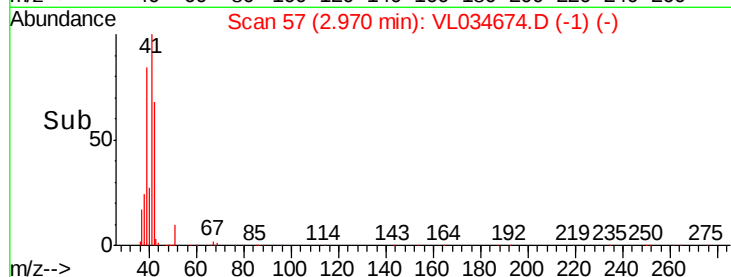
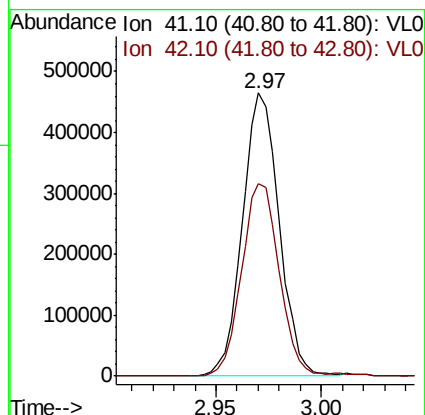
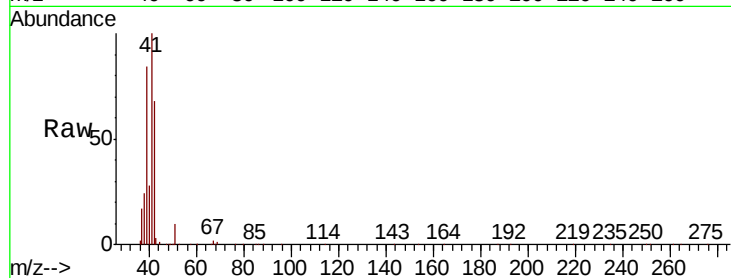
ICVVL022520

Tot Ion: 41 Resp: 563625

Ion Ratio Lower Upper

41 100

42 70.3 57.0 85.4



#10

Heptane

Concen: 9.890 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VL034674.D

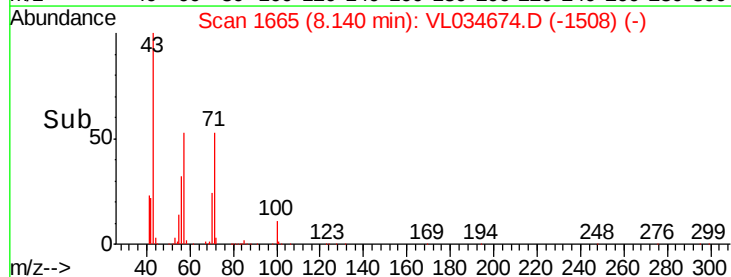
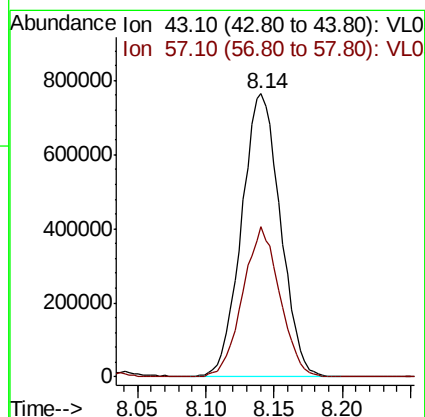
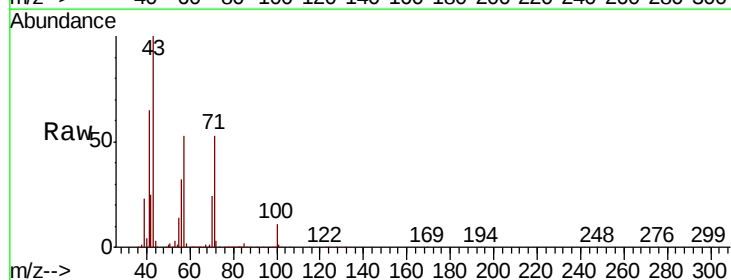
Acq: 25 Feb 2020 15:47

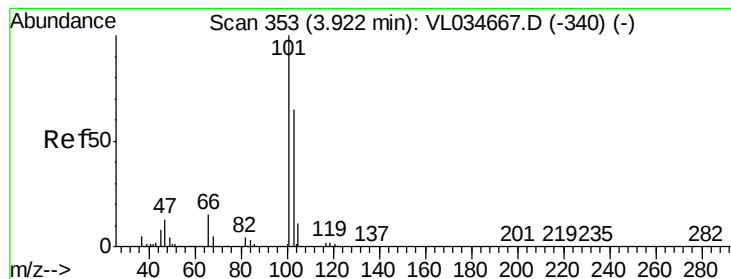
Tgt Ion: 43 Resp: 1505635

Ion Ratio Lower Upper

43 100

57 51.0 41.7 62.5





#11

Trichlorofluoromethane

Concen: 8.260 ppbv

RT: 3.93 min Scan# 354

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

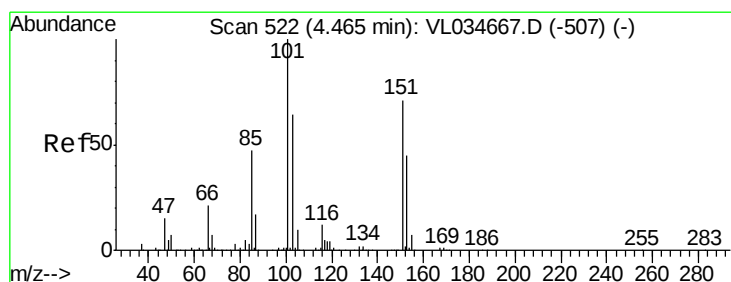
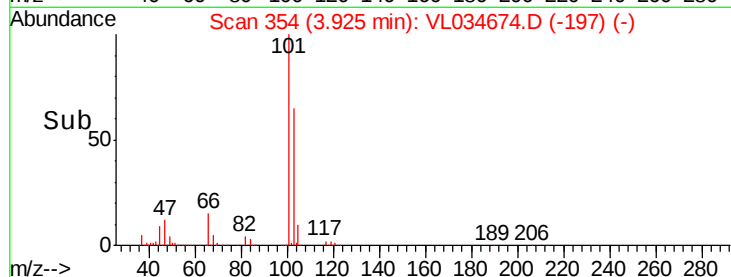
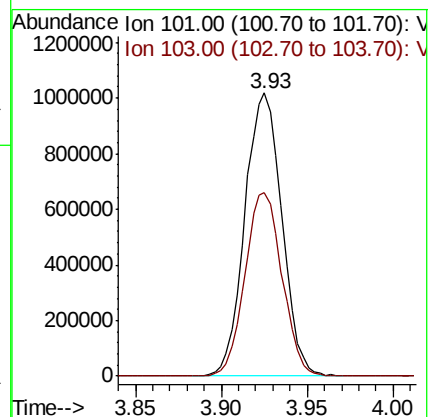
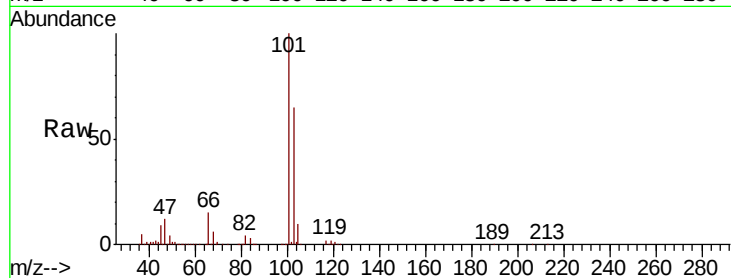
ICVVL022520

Tot Ion:101 Resp: 1523104

Ion Ratio Lower Upper

101 100

103 64.6 52.3 78.5



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.290 ppbv

RT: 4.47 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL034674.D

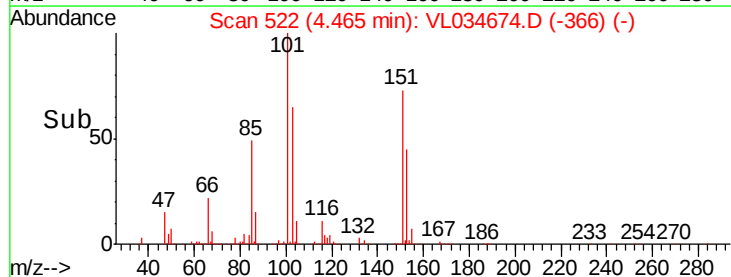
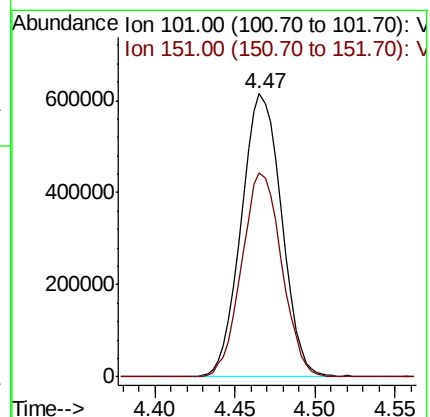
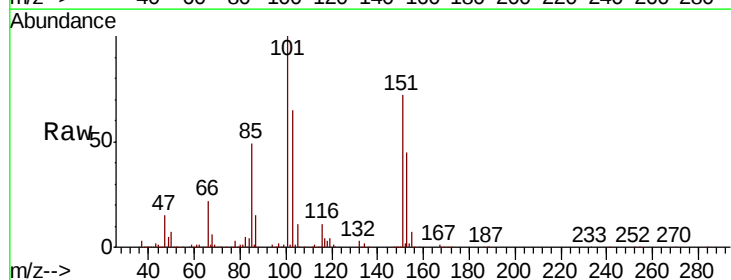
Acq: 25 Feb 2020 15:47

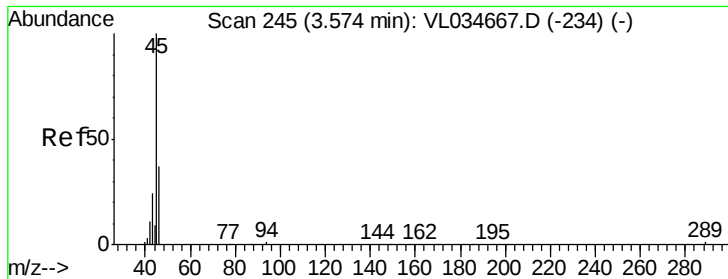
Tgt Ion:101 Resp: 1055482

Ion Ratio Lower Upper

101 100

151 71.6 55.5 83.3





#13

Ethanol

Concen: 8.836 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

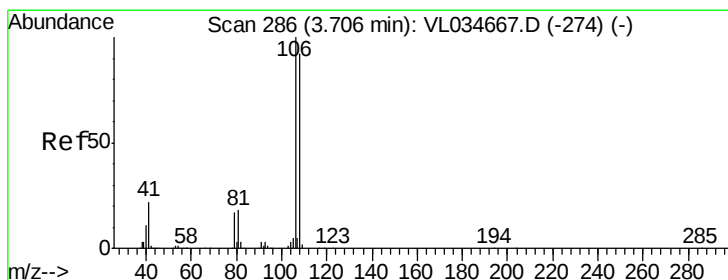
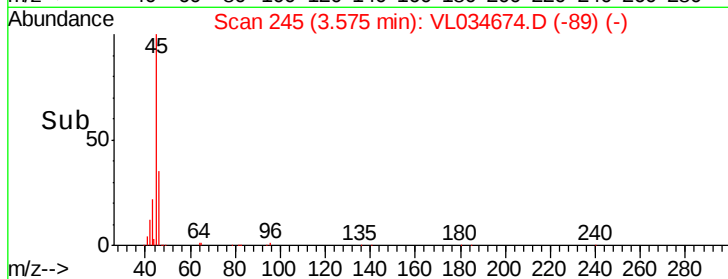
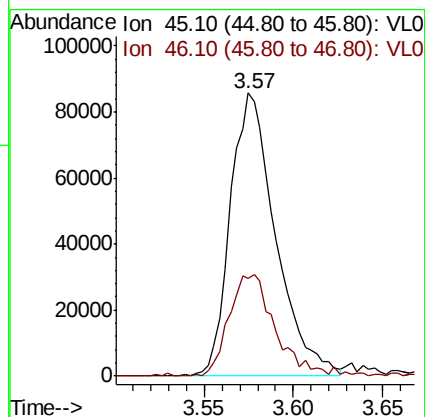
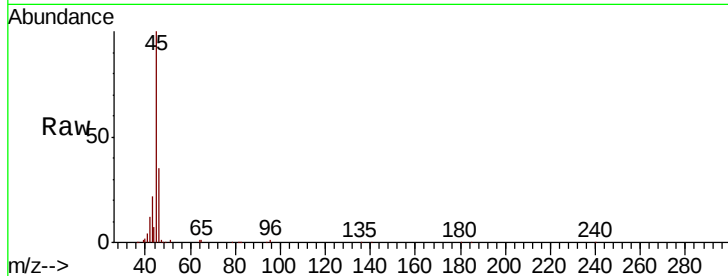
ICVVL022520

Tot Ion: 45 Resp: 151881

Ion Ratio Lower Upper

45 100

46 37.7 15.1 60.5



#14

Bromoethene

Concen: 9.161 ppbv

RT: 3.71 min Scan# 287

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

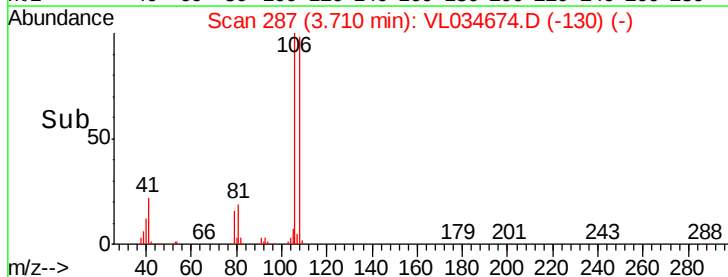
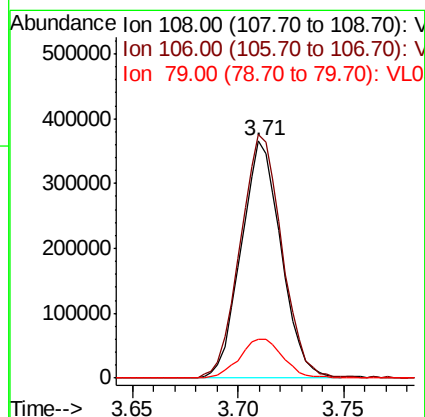
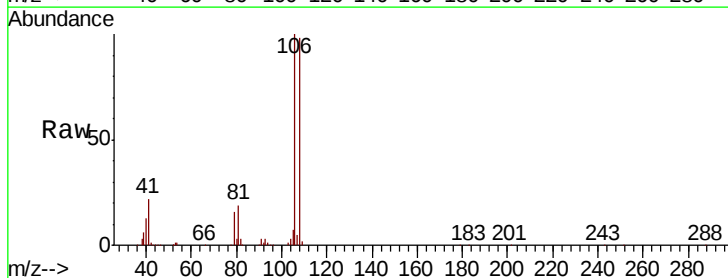
Tgt Ion: 108 Resp: 481803

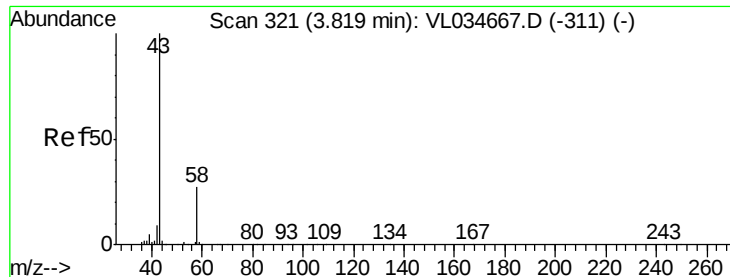
Ion Ratio Lower Upper

108 100

106 107.9 86.4 129.6

79 18.2 14.6 22.0





#15

Acetone

Concen: 7.709 ppbv

RT: 3.82 min Scan# 322

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

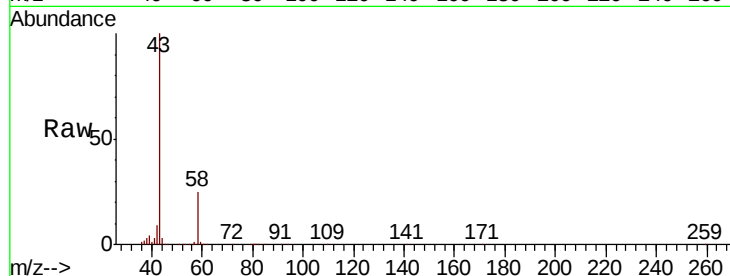
ICVVL022520

Tot Ion: 43 Resp: 1235771

Ion Ratio Lower Upper

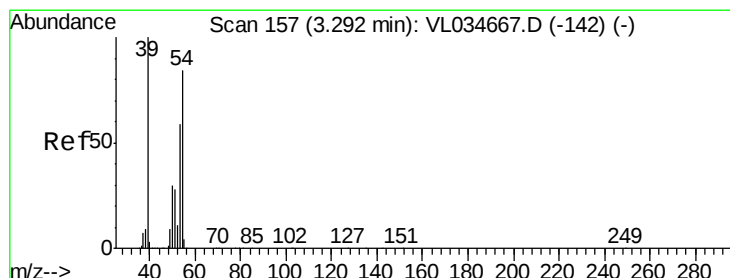
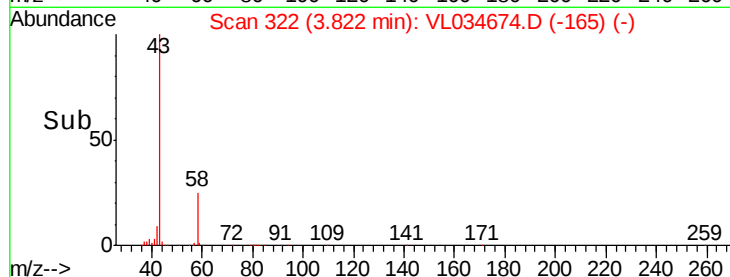
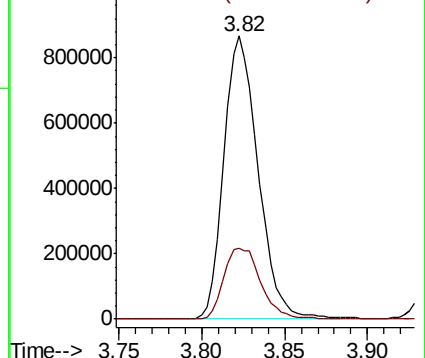
43 100

58 27.4 21.4 32.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.247 ppbv

RT: 3.29 min Scan# 157

Delta R.T. 0.00 min

Lab File: VL034674.D

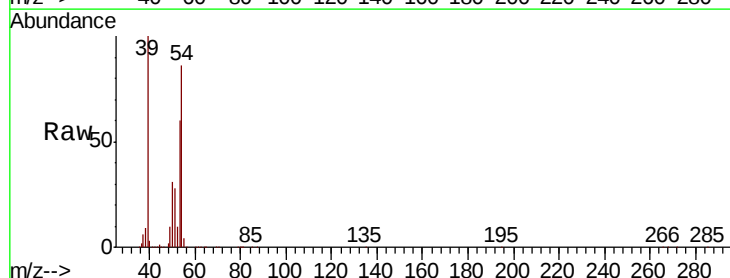
Acq: 25 Feb 2020 15:47

Tgt Ion: 39 Resp: 629238

Ion Ratio Lower Upper

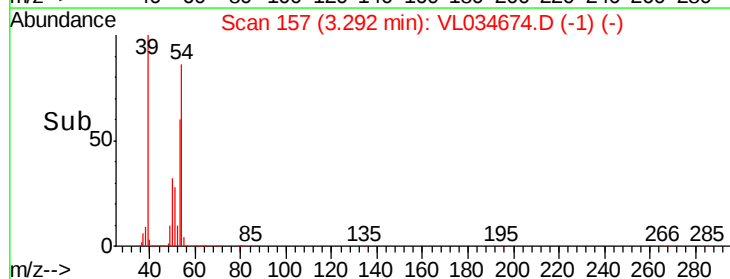
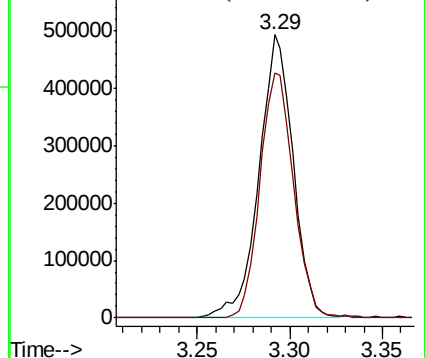
39 100

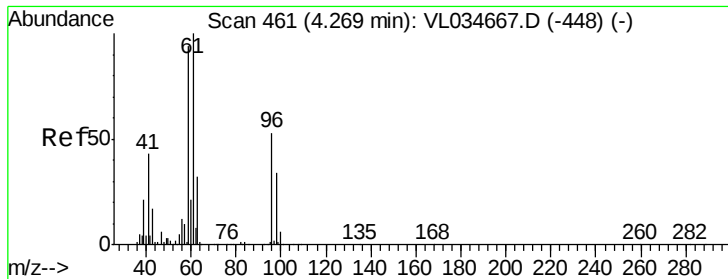
54 85.4 68.2 102.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





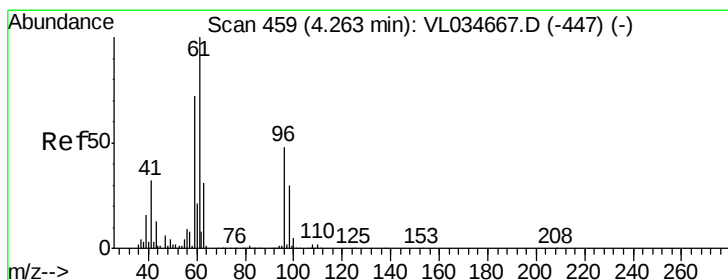
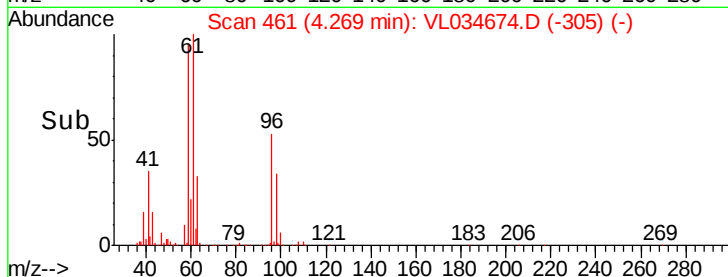
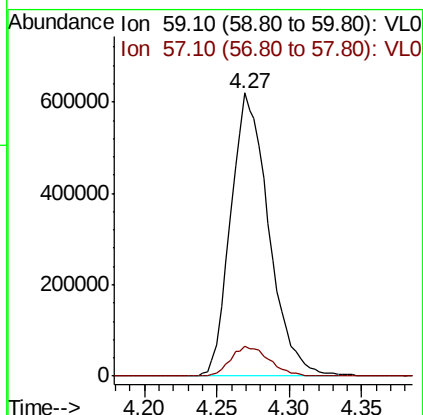
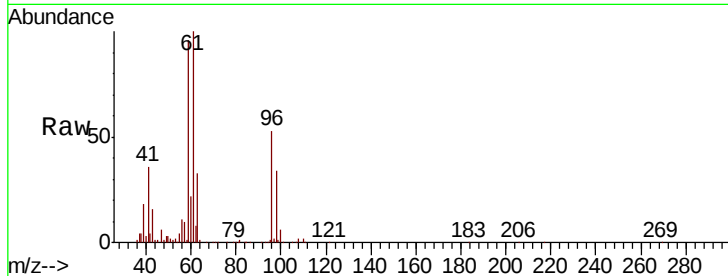
#17

tert-Butyl alcohol
Concen: 9.546 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022520

Tot Ion: 59 Resp: 1125153

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.8	13.2

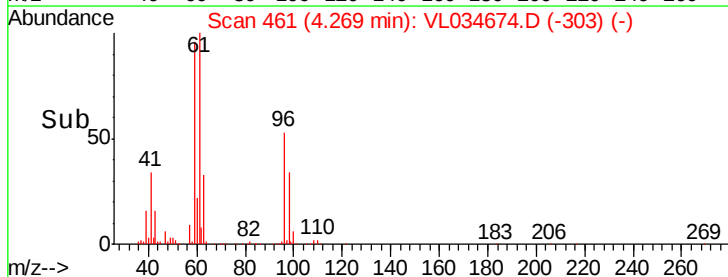
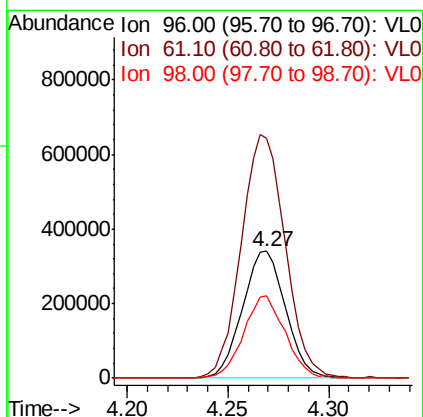
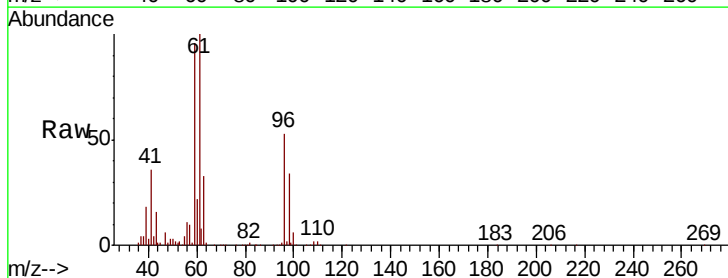


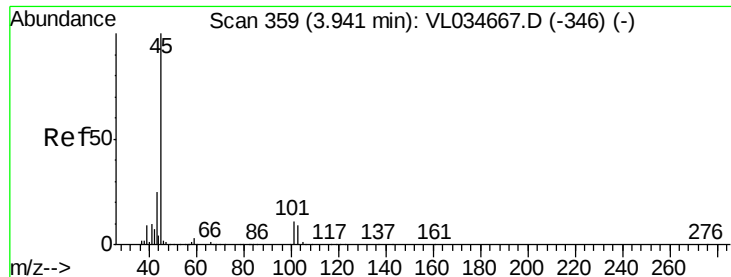
#18

1,1-Dichloroethene
Concen: 8.781 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Tgt Ion: 96 Resp: 509766

Ion	Ratio	Lower	Upper
96	100		
61	189.1	165.3	247.9
98	64.5	48.9	73.3





#19

Isopropyl Alcohol

Concen: 9.307 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

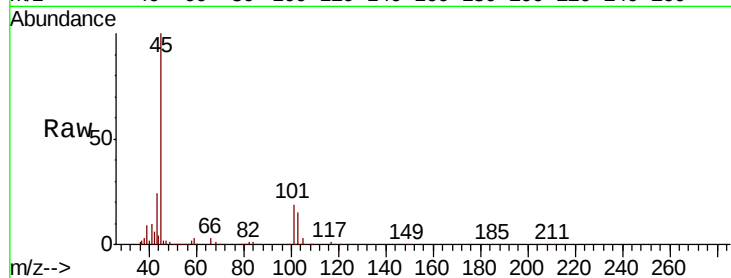
ICVVL022520

Tot Ion: 45 Resp: 1035111

Ion Ratio Lower Upper

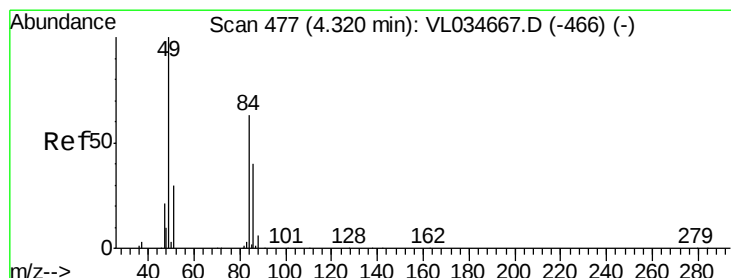
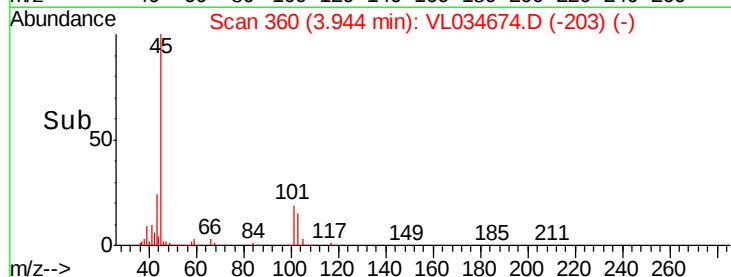
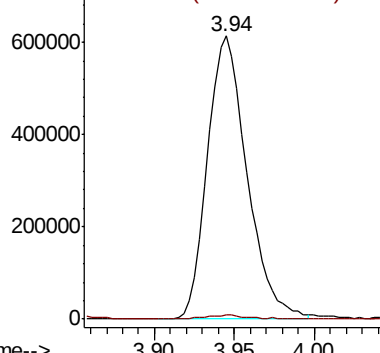
45 100

58 1.9 1.8 2.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 7.456 ppbv

RT: 4.32 min Scan# 478

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Tgt Ion: 84 Resp: 438558

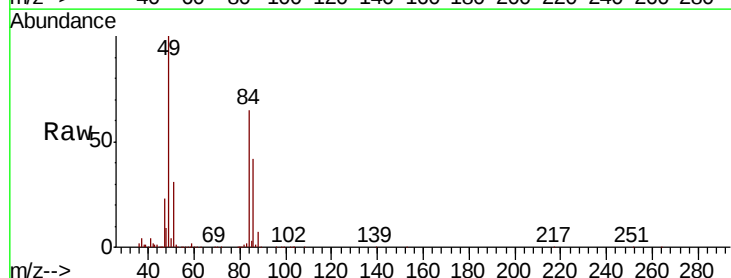
Ion Ratio Lower Upper

84 100

49 153.5 127.6 191.4

51 47.7 39.7 59.5

86 64.0 51.1 76.7

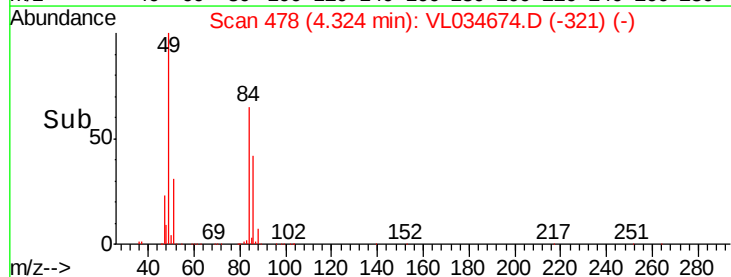
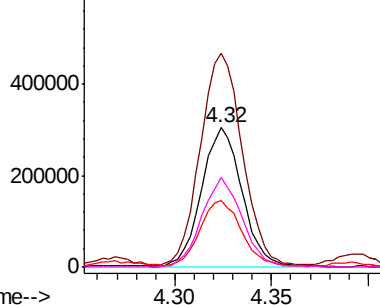


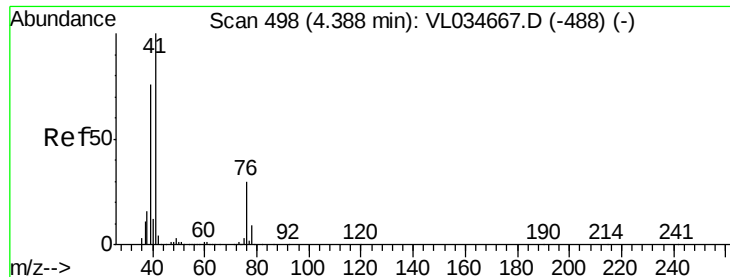
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl Chloride

Concen: 9.154 ppbv

RT: 4.39 min Scan# 499

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

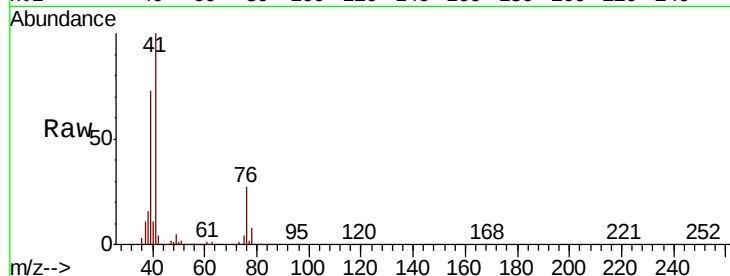
Tot Ion: 41 Resp: 884840

Ion Ratio Lower Upper

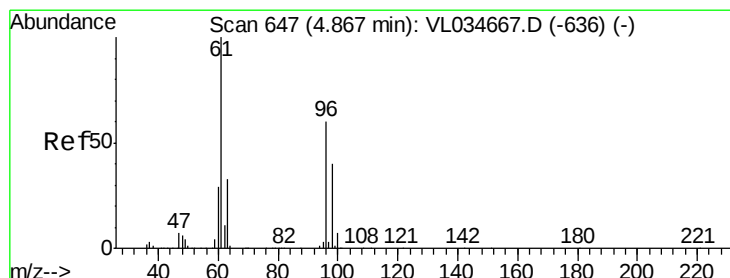
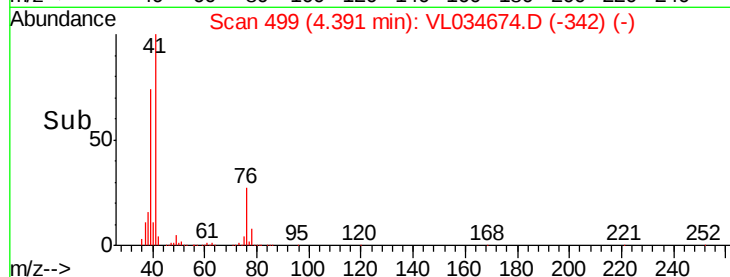
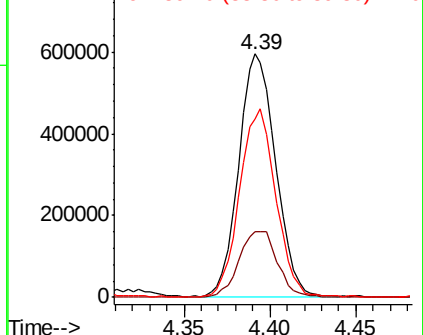
41 100

76 28.3 23.6 35.4

39 76.7 61.6 92.4



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 8.422 ppbv

RT: 4.87 min Scan# 648

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

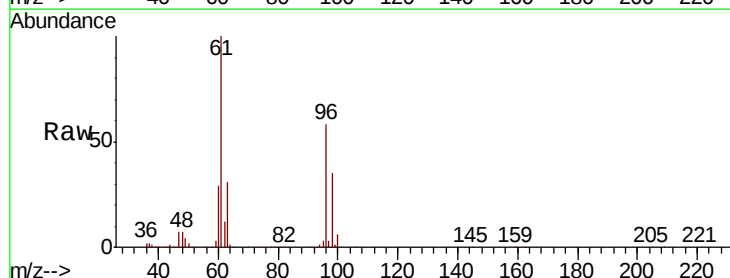
Tgt Ion: 96 Resp: 478582

Ion Ratio Lower Upper

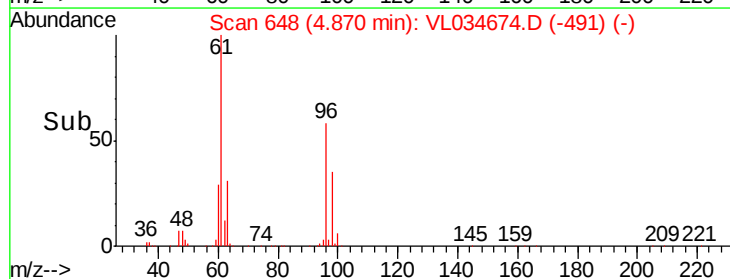
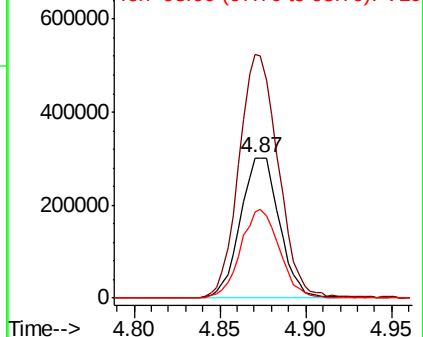
96 100

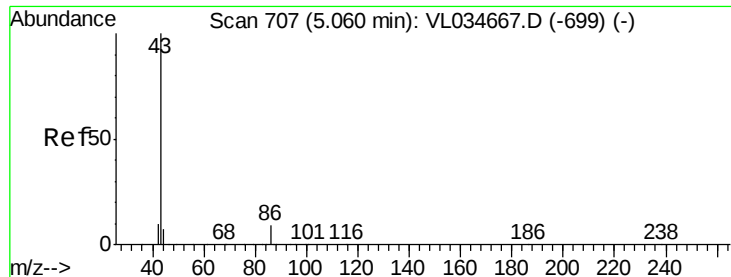
61 173.2 134.3 201.5

98 61.0 53.8 80.8



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.523 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

Tot Ion: 43 Resp: 2052402

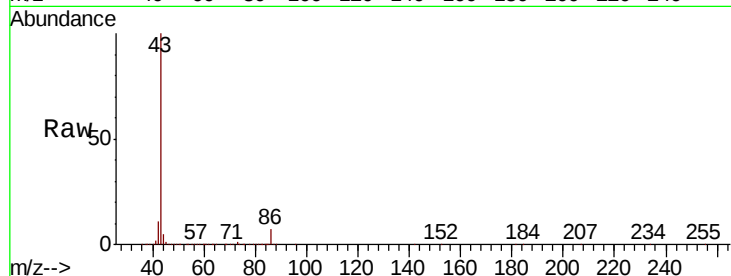
Ion	Ratio	Lower	Upper
43	100		
86	6.9	6.3	9.5
42	11.3	8.6	12.8
44	5.1	4.9	7.3

43 100

86 6.9 6.3 9.5

42 11.3 8.6 12.8

44 5.1 4.9 7.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0

2000000

1500000

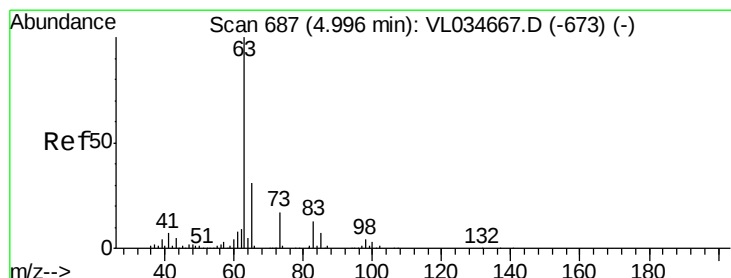
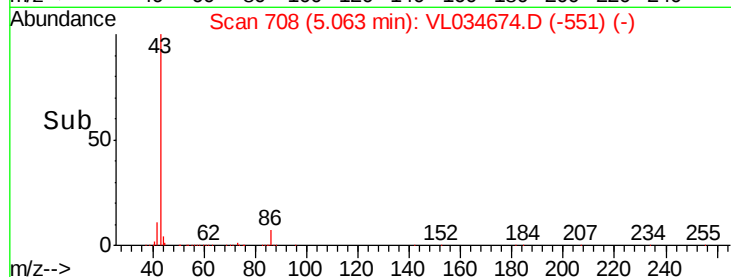
1000000

500000

0

5.00 5.05 5.10

Time-->



#24

1,1-Dichloroethane

Concen: 8.845 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

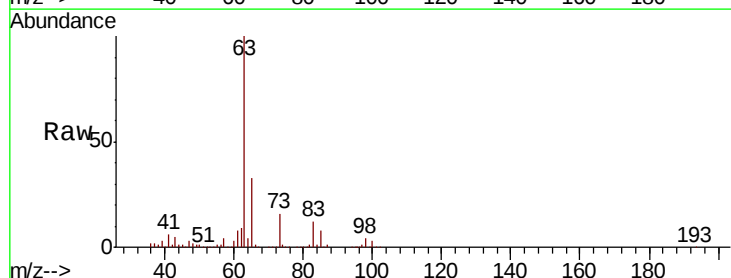
Tgt Ion: 63 Resp: 1457761

Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.2	6.6
100	2.7	1.4	4.2

63 100

98 3.8 2.2 6.6

100 2.7 1.4 4.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

1200000

1000000

800000

600000

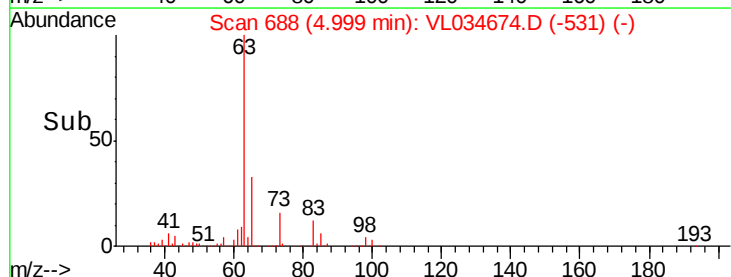
400000

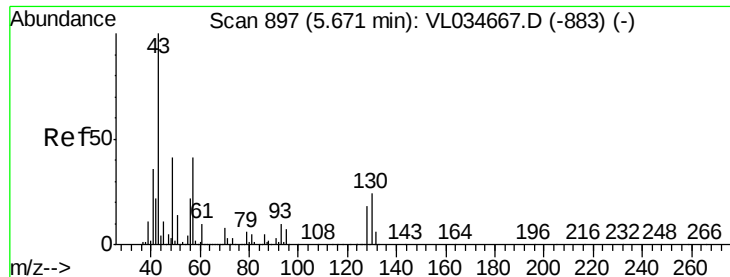
200000

0

4.90 4.95 5.00 5.05

Time-->



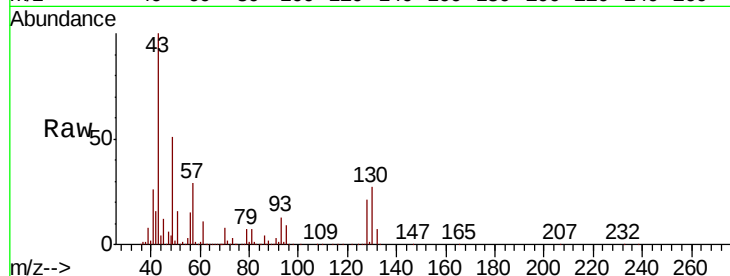


#25
Ethyl Acetate
Concen: 8.985 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022520

Tot Ion: 43 Resp: 2488146

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.3	12.5
61	10.4	7.8	11.6
70	7.5	6.0	9.0



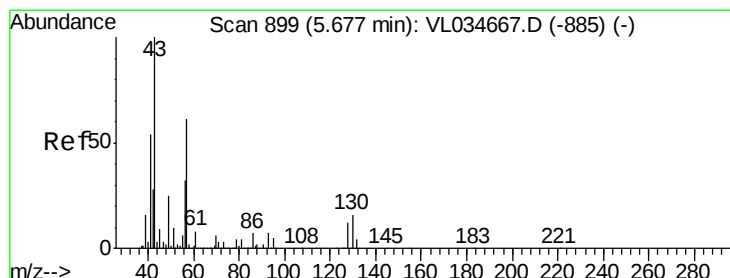
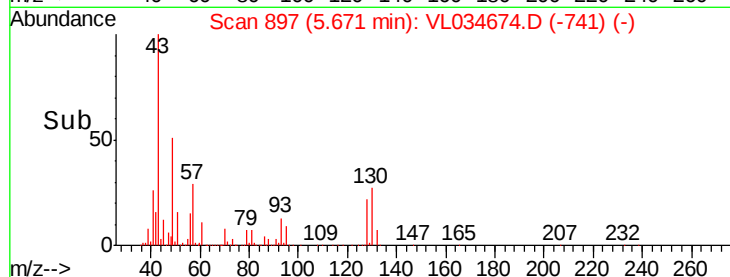
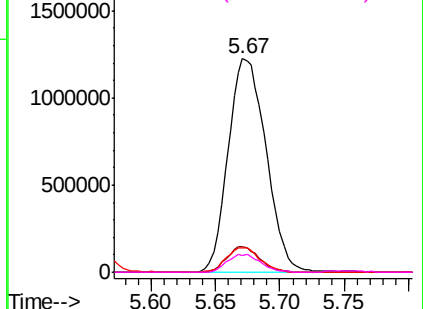
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

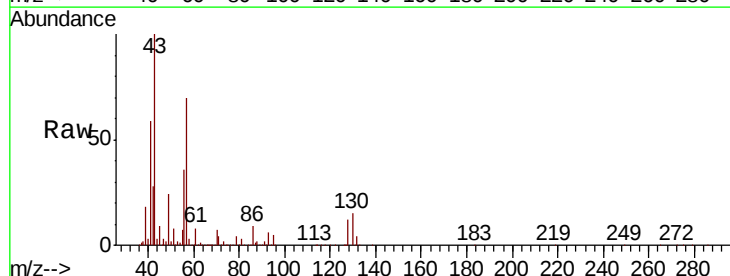
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.346 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Tgt Ion: 57 Resp: 1147431

Ion	Ratio	Lower	Upper
57	100		
41	87.4	72.0	108.0
43	219.2	178.7	268.1
56	51.7	43.1	64.7



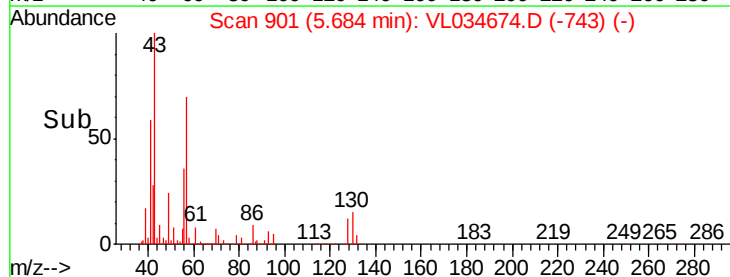
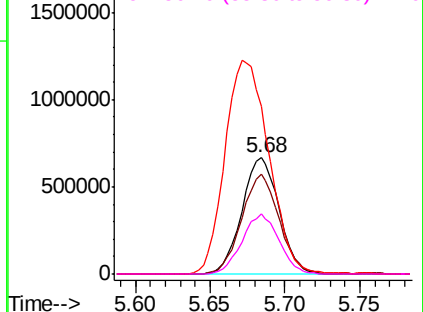
Abundance

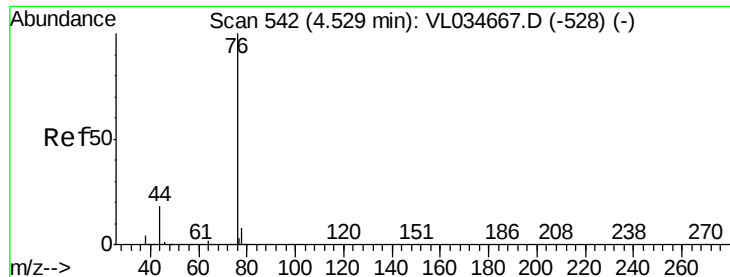
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.059 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

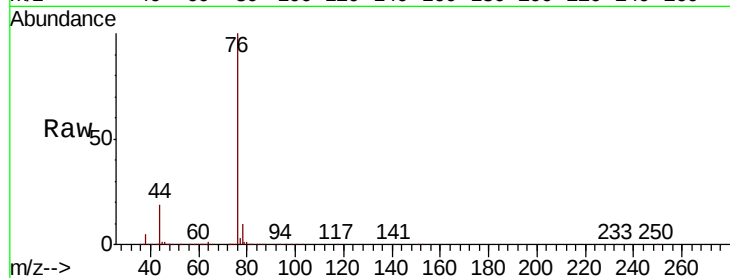
Tot Ion: 76 Resp: 1261096

Ion Ratio Lower Upper

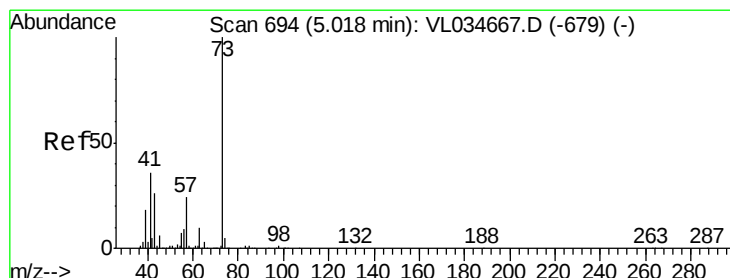
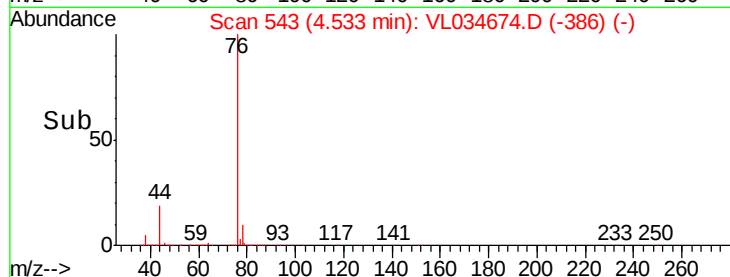
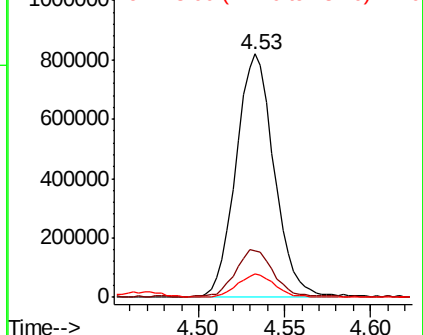
76 100

44 19.2 15.0 22.4

78 9.3 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.981 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.00 min

Lab File: VL034674.D

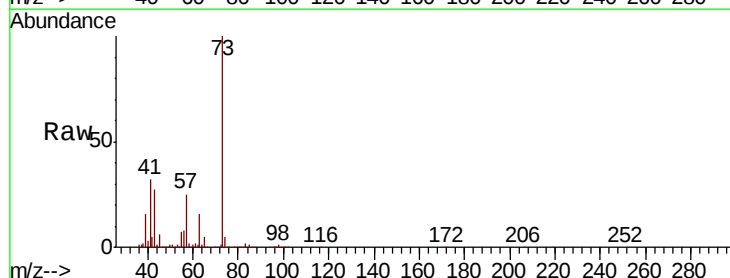
Acq: 25 Feb 2020 15:47

Tgt Ion: 73 Resp: 1763078

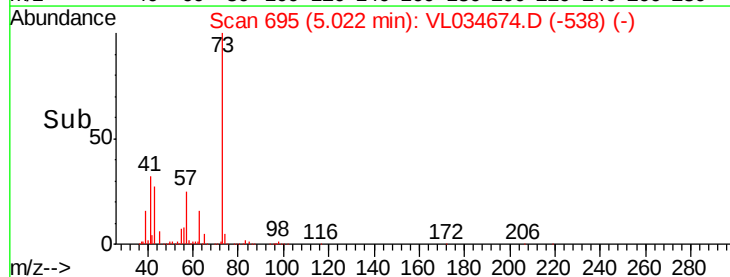
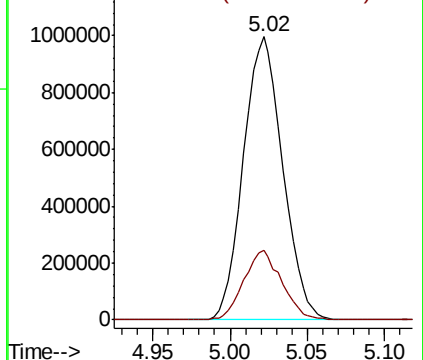
Ion Ratio Lower Upper

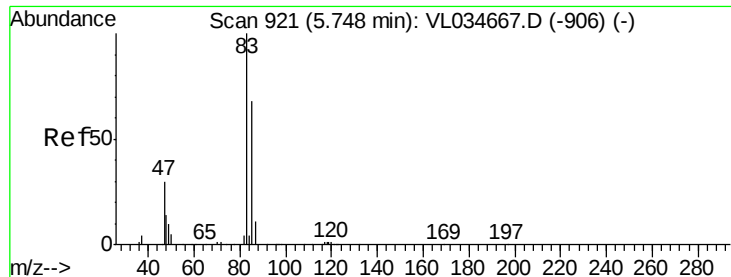
73 100

57 23.9 18.7 28.1



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 8.775 ppbv

RT: 5.75 min Scan# 923

Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

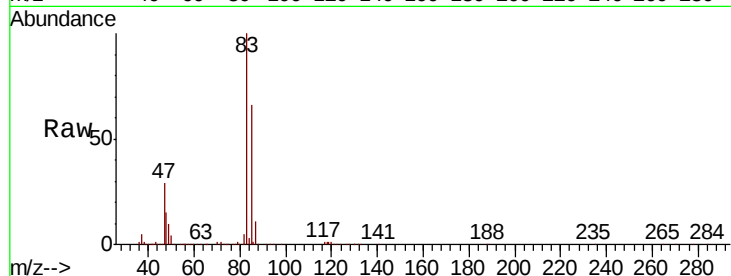
ICVVL022520

Tot Ion: 83 Resp: 1707937

Ion Ratio Lower Upper

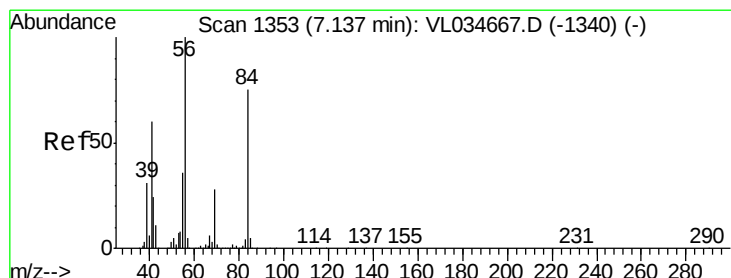
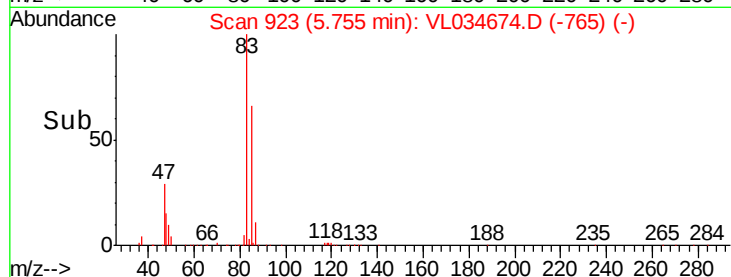
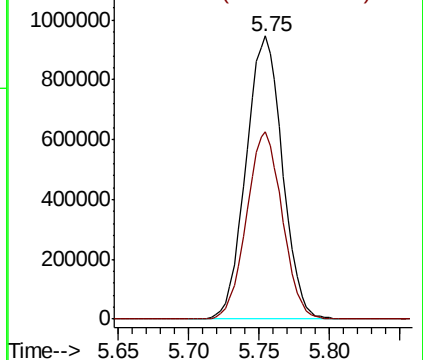
83 100

85 66.2 54.7 82.1



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 9.999 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

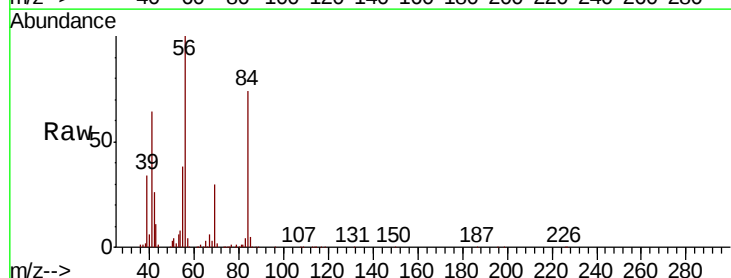
Tgt Ion: 84 Resp: 937518

Ion Ratio Lower Upper

84 100

56 140.4 113.4 170.2

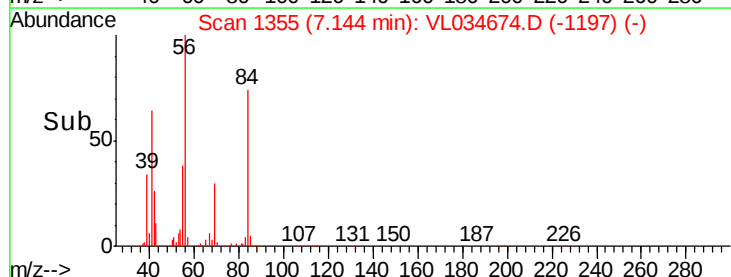
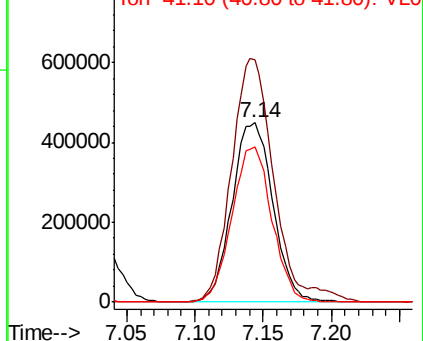
41 84.2 69.5 104.3

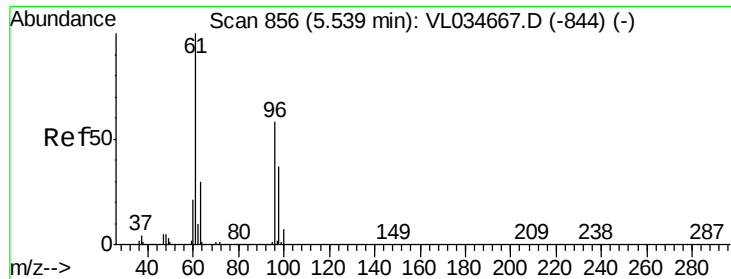


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



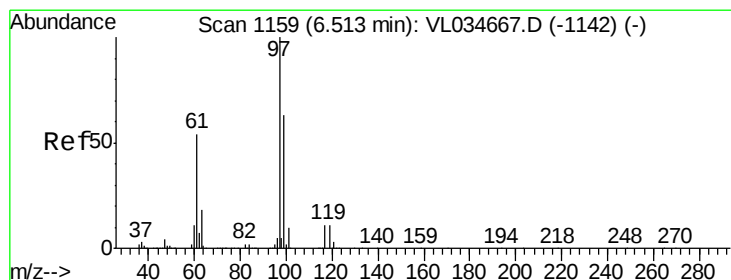
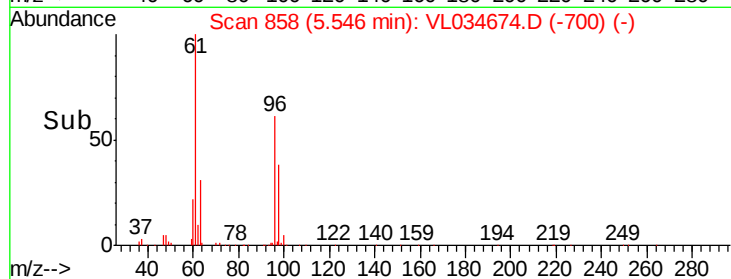
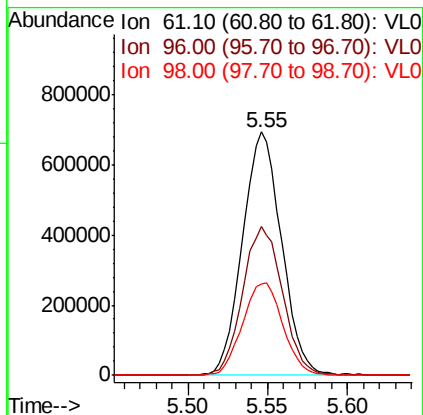
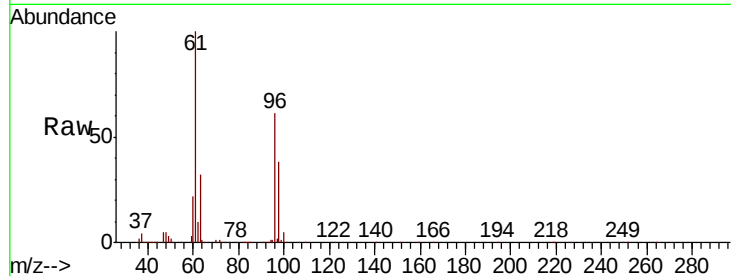


#31

cis-1,2-Dichloroethene
 Concen: 9.720 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.01 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022520

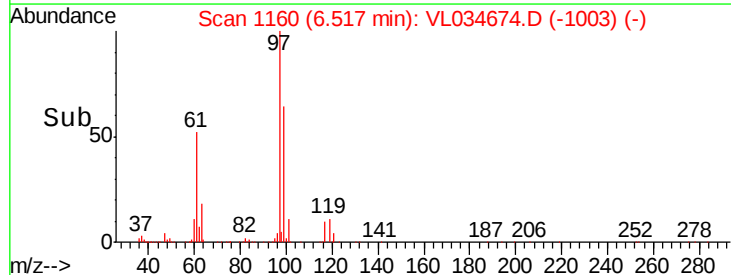
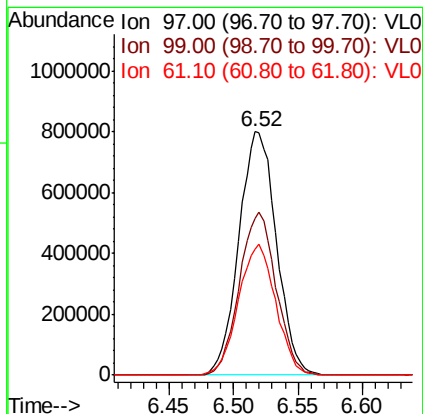
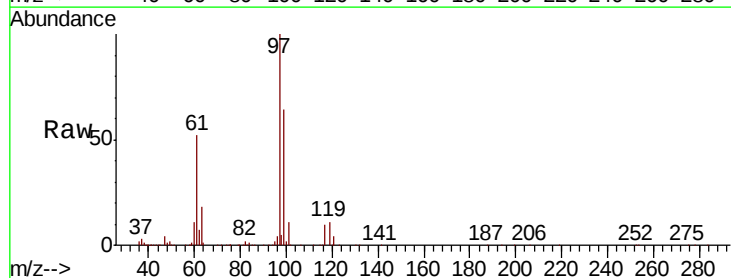
Tot Ion: 61 Resp: 1154092
 Ion Ratio Lower Upper
 61 100
 96 61.3 46.6 69.8
 98 37.7 29.3 43.9

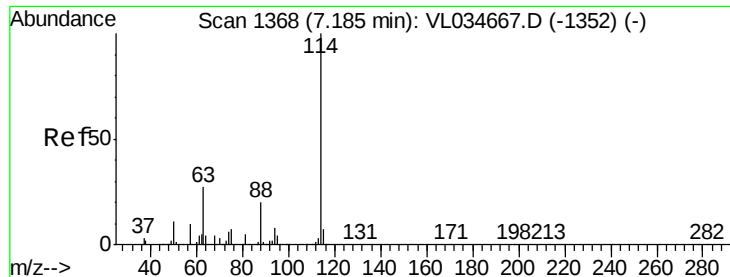


#32

1,1,1-Trichloroethane
 Concen: 9.136 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Tgt Ion: 97 Resp: 1618591
 Ion Ratio Lower Upper
 97 100
 99 65.6 52.2 78.2
 61 53.7 44.5 66.7

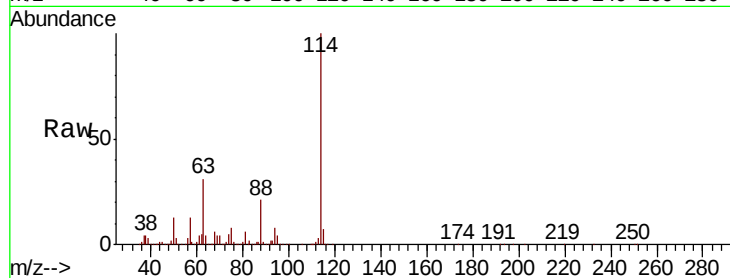




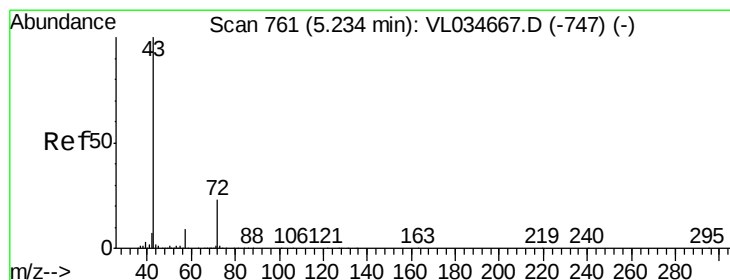
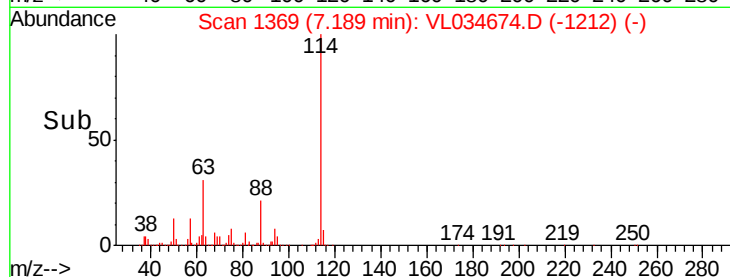
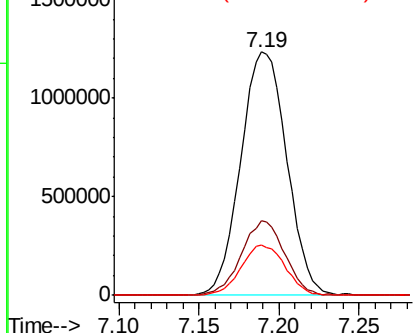
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022520

Tot Ion:114 Resp: 2421569
 Ion Ratio Lower Upper
 114 100
 63 29.3 23.1 34.7
 88 19.8 15.6 23.4

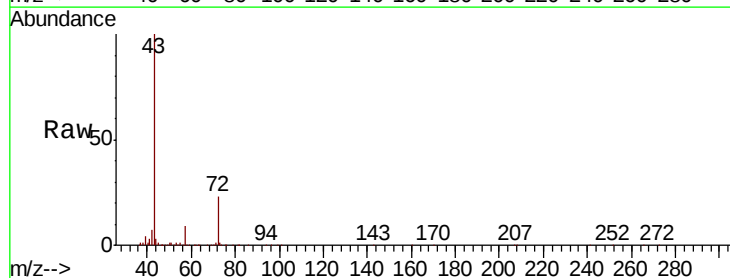


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

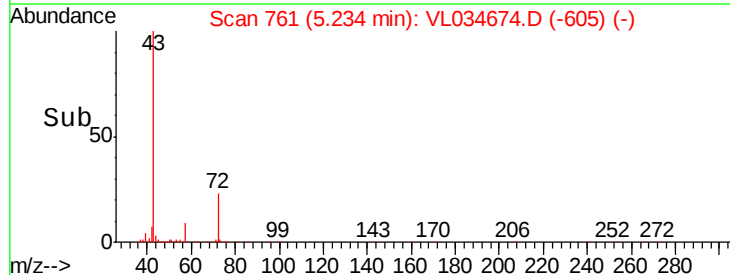
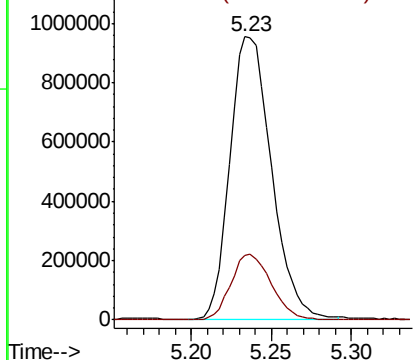


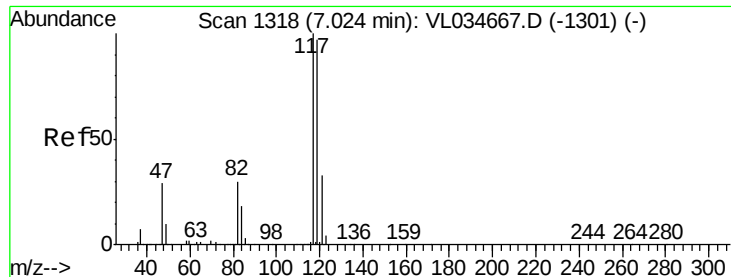
#34
 2-Butanone
 Concen: 9.630 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Tgt Ion: 43 Resp: 1684397
 Ion Ratio Lower Upper
 43 100
 72 22.8 17.8 26.8



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.974 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

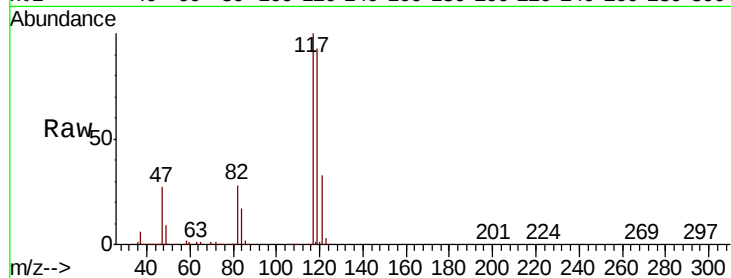
Tot Ion:117 Resp: 1671182

Ion Ratio Lower Upper

117 100

119 92.8 77.2 115.8

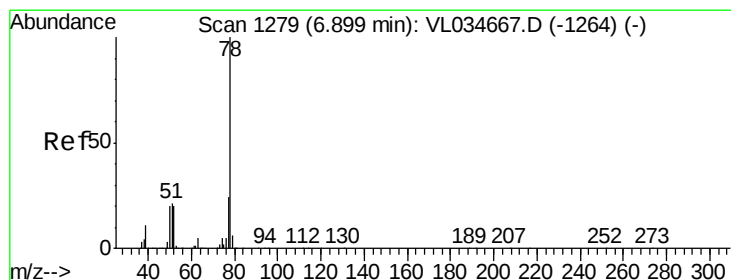
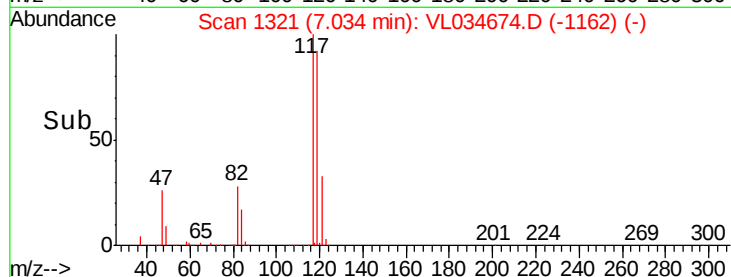
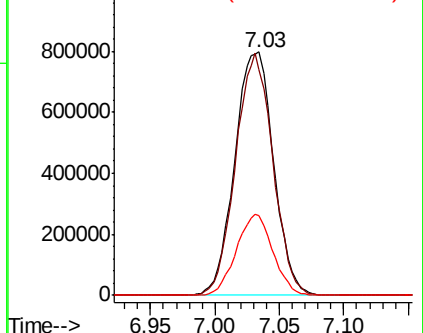
121 32.7 26.1 39.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.694 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

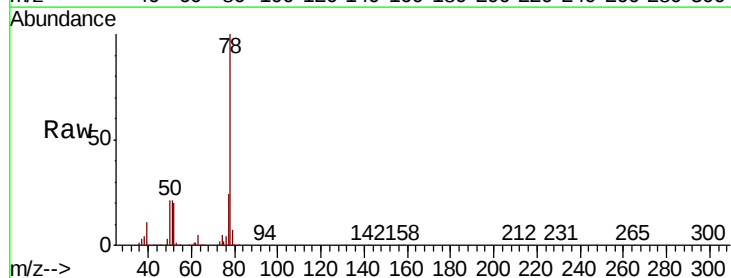
Tgt Ion: 78 Resp: 2249634

Ion Ratio Lower Upper

78 100

77 23.5 19.2 28.8

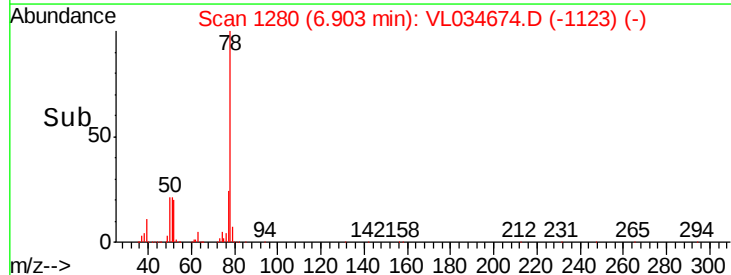
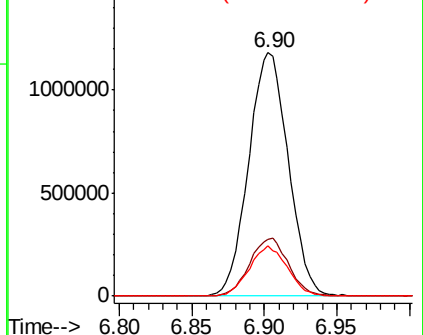
50 20.5 15.9 23.9

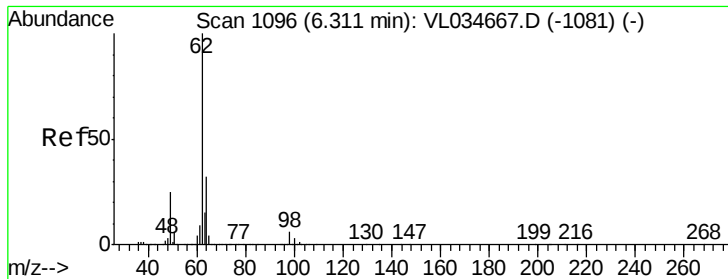


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

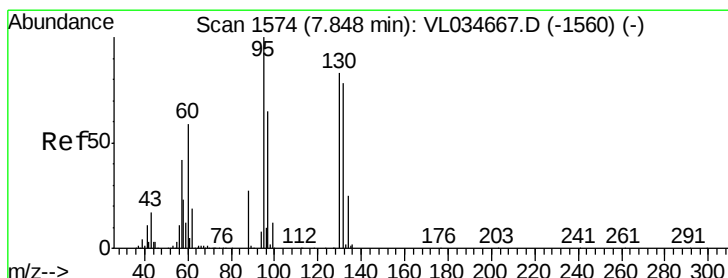
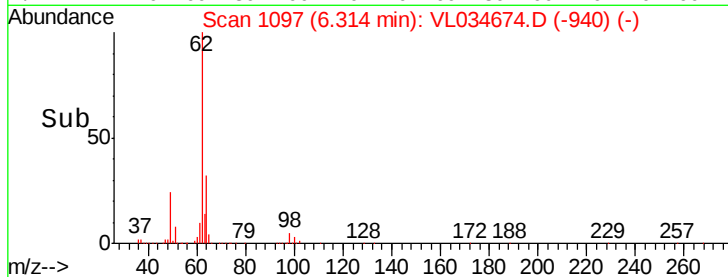
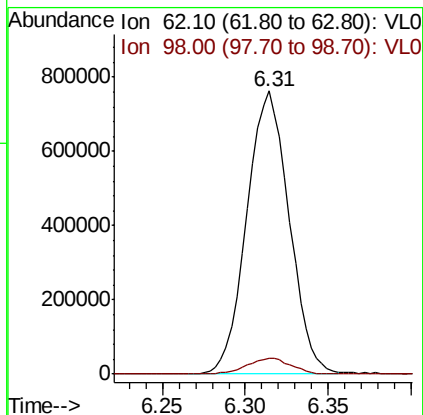
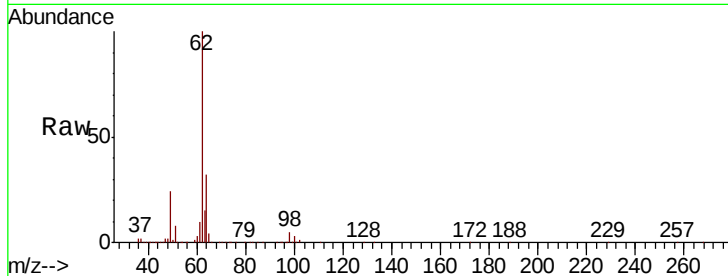




#37
 1,2-Dichloroethane
 Concen: 8.907 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

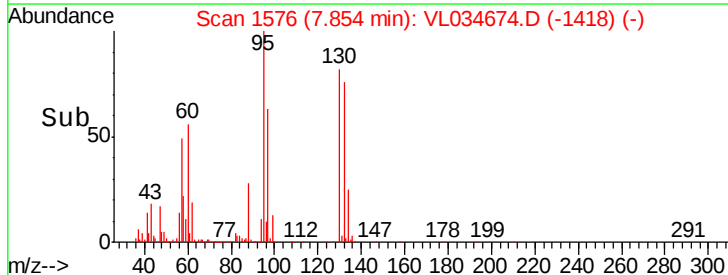
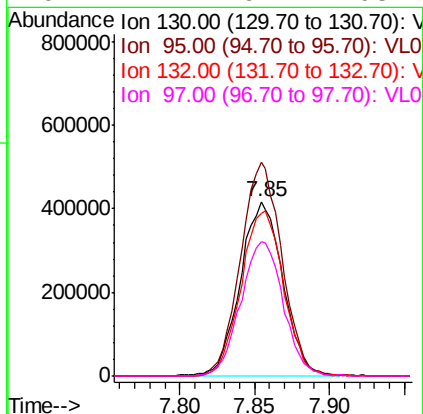
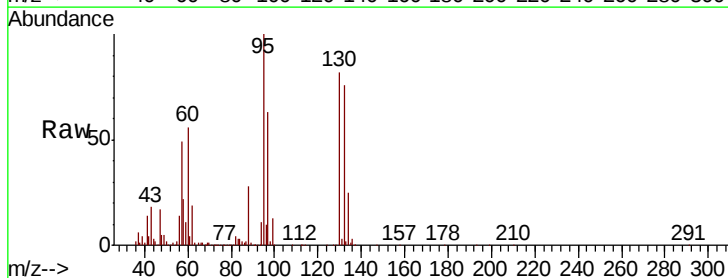
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022520

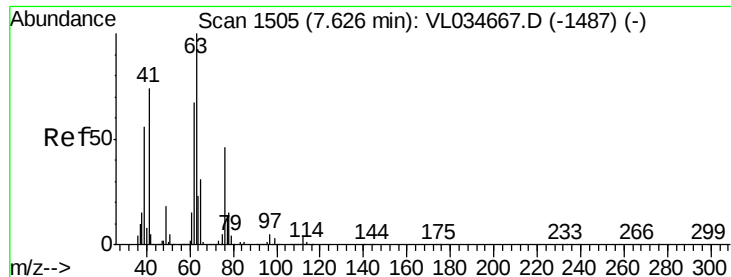
Tot Ion: 62 Resp: 1356178
 Ion Ratio Lower Upper
 62 100
 98 5.8 4.5 6.7



#38
 Trichloroethene
 Concen: 9.384 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Tgt Ion: 130 Resp: 822457
 Ion Ratio Lower Upper
 130 100
 95 122.2 96.1 144.1
 132 93.2 74.6 112.0
 97 77.2 62.2 93.4

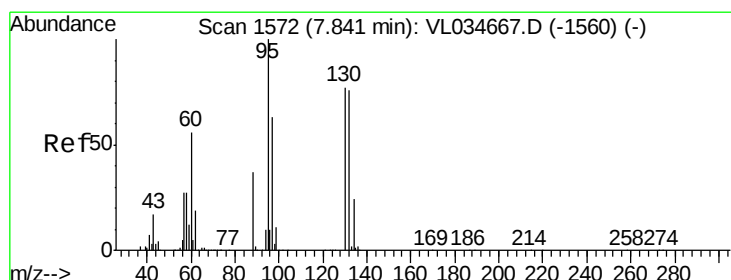
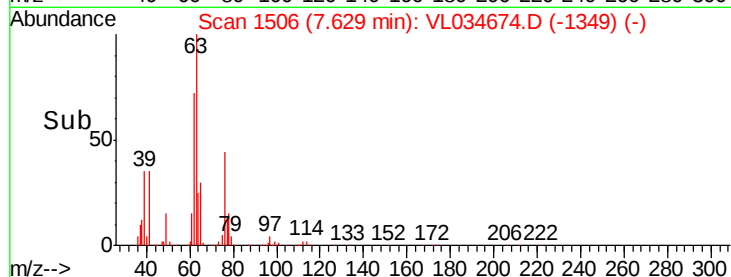
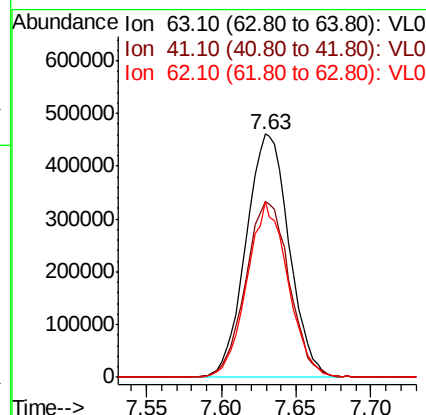
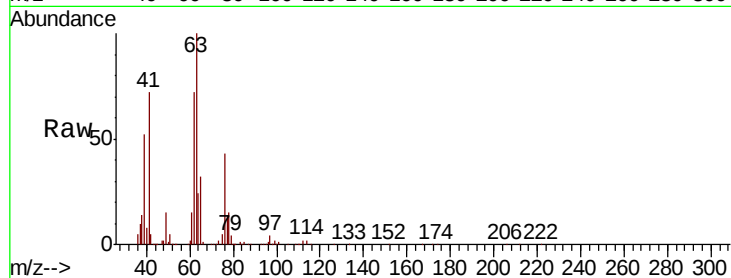




#39
 1,2-Dichloropropane
 Concen: 9.708 ppbv
 RT: 7.63 min Scan# 1506
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

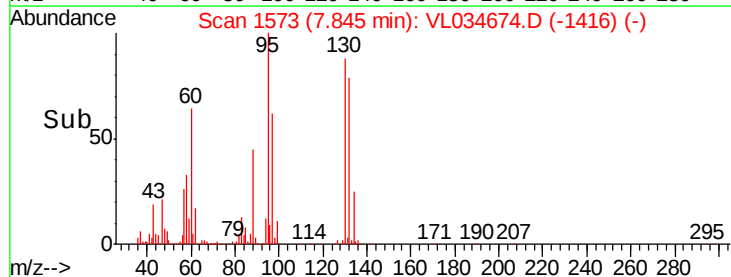
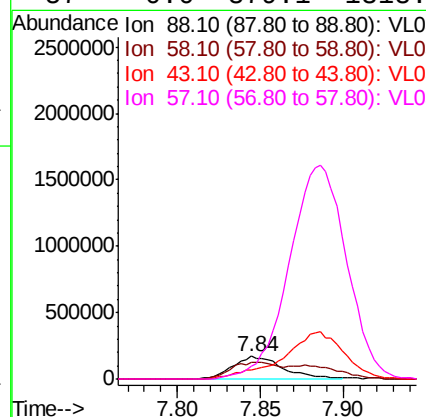
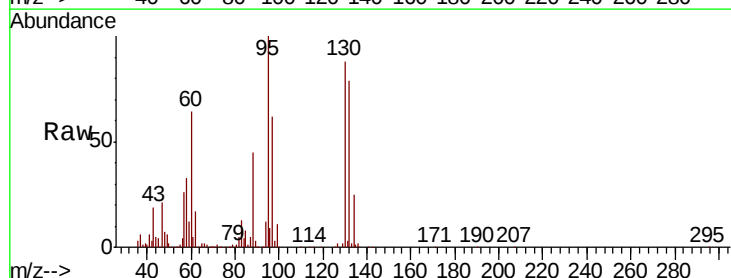
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022520

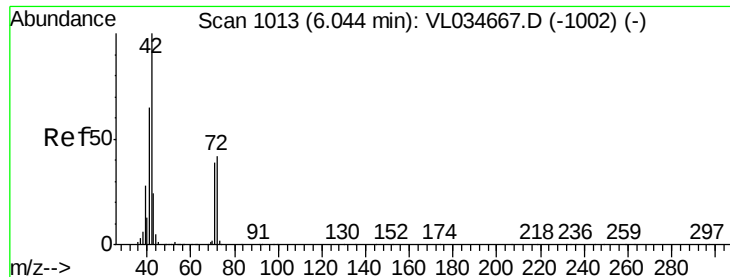
Tot Ion: 63 Resp: 925814
 Ion Ratio Lower Upper
 63 100
 41 72.1 58.9 88.3
 62 72.0 53.8 80.8



#40
 1,4-Dioxane
 Concen: 9.816 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Tgt Ion: 88 Resp: 353904
 Ion Ratio Lower Upper
 88 100
 58 133.3 108.6 163.0
 43 0.0 208.1 312.1#
 57 0.0 879.1 1318.7#





#41

Tetrahydrofuran

Concen: 10.534 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

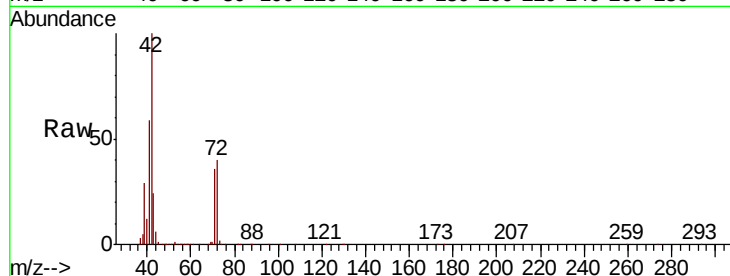
Tot Ion: 42 Resp: 964237

Ion Ratio Lower Upper

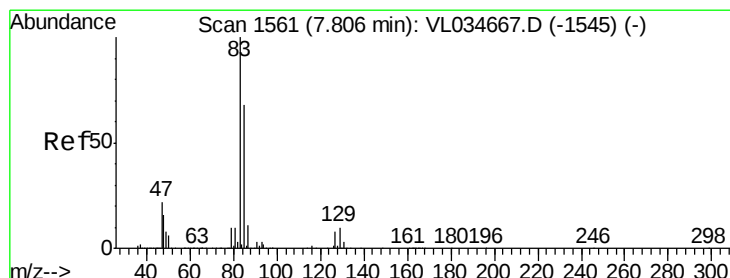
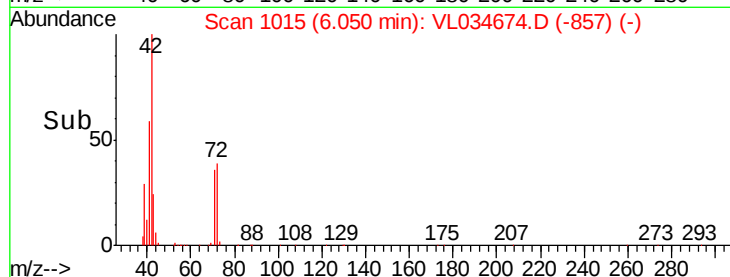
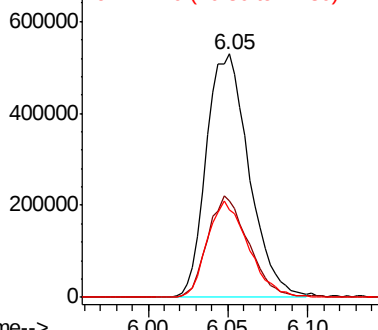
42 100

72 39.9 31.5 47.3

71 38.3 30.3 45.5



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.340 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

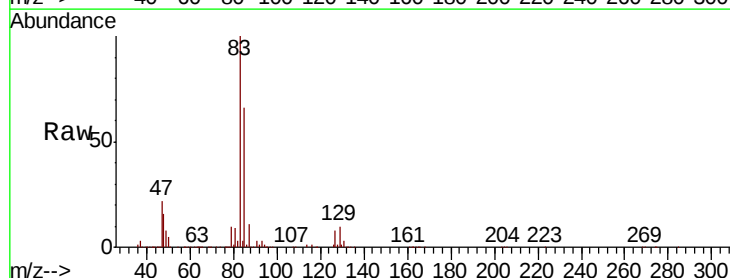
Tgt Ion: 83 Resp: 1840188

Ion Ratio Lower Upper

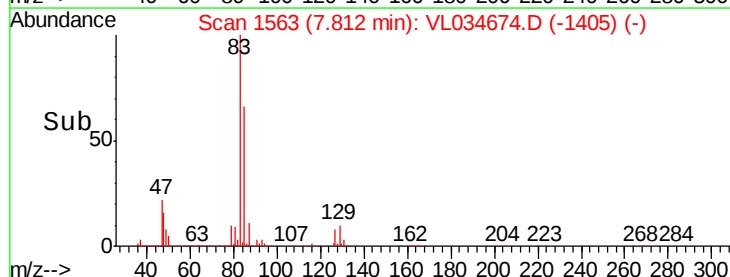
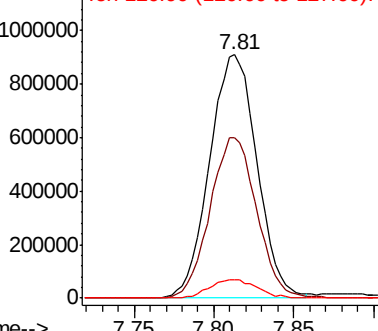
83 100

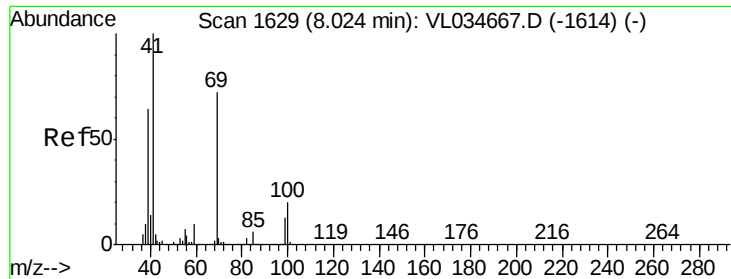
85 65.7 54.2 81.4

127 7.6 6.2 9.4



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

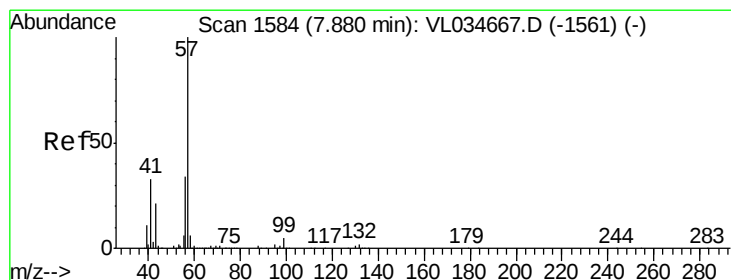
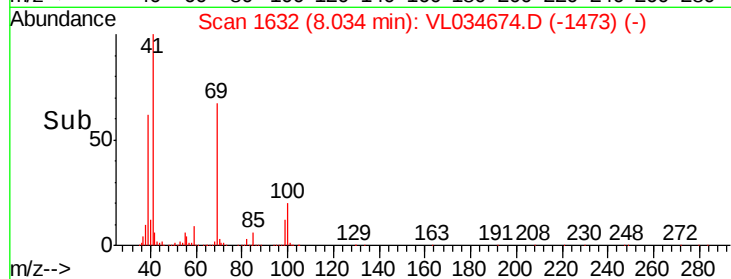
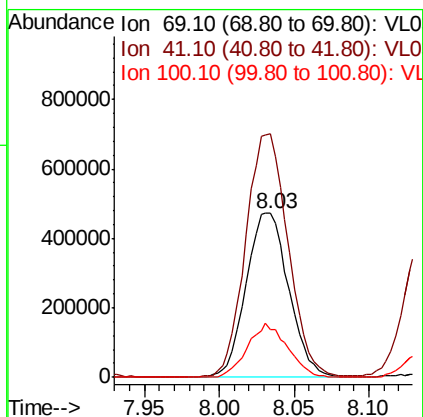
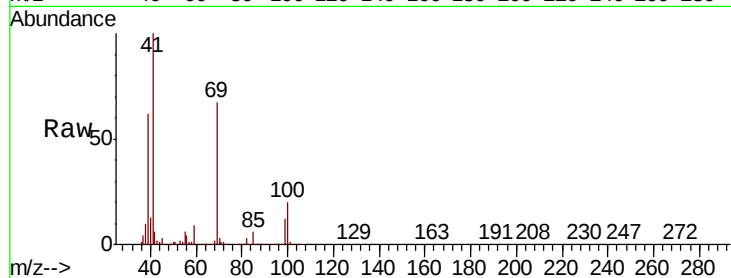




#43
Methyl Methacrylate
Concen: 10.519 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

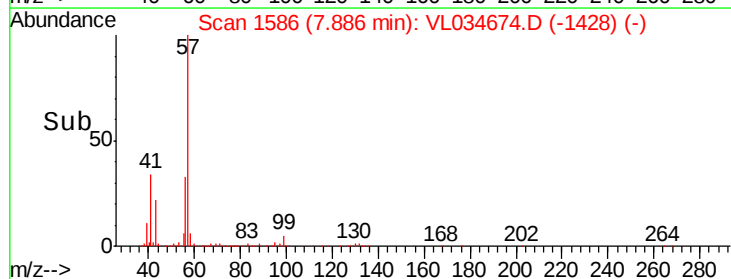
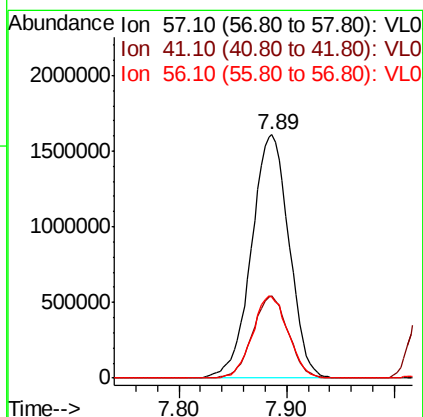
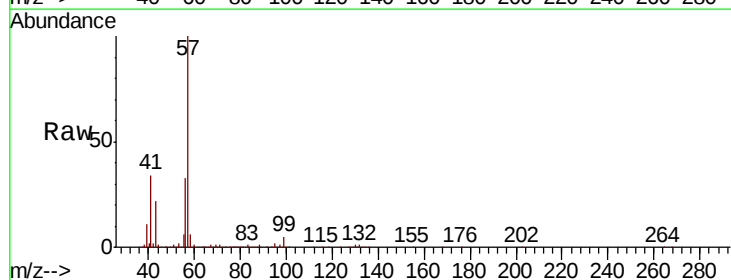
Instrument :
MSVOA_L
ClientSampleId :
ICVVL022520

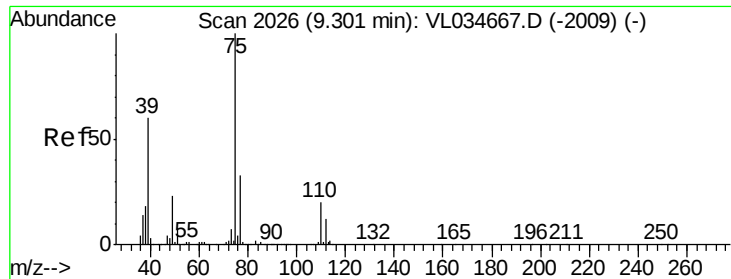
Tot Ion: 69 Resp: 938143
Ion Ratio Lower Upper
69 100
41 147.5 116.4 174.6
100 30.9 24.3 36.5



#44
2,2,4-Trimethylpentane
Concen: 9.319 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Tgt Ion: 57 Resp: 3883601
Ion Ratio Lower Upper
57 100
41 32.1 26.1 39.1
56 31.9 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 10.630 ppbv

RT: 9.30 min Scan# 2027

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

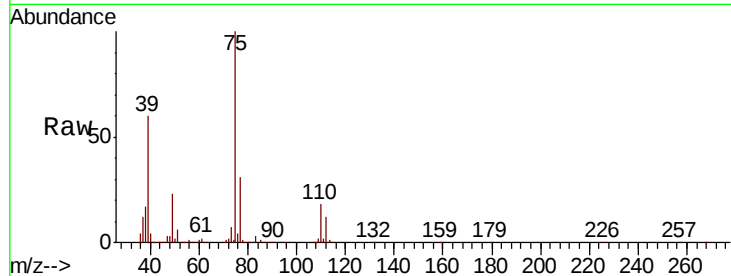
ICVVL022520

Tot Ion: 75 Resp: 1124101

Ion Ratio Lower Upper

75 100

77 31.1 26.3 39.5



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.30

600000

500000

400000

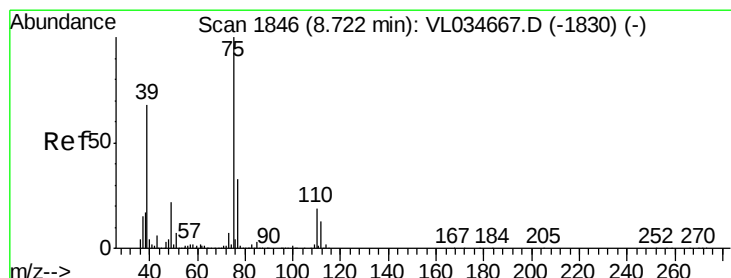
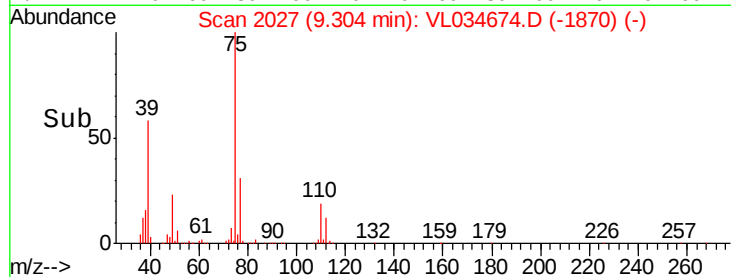
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.617 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

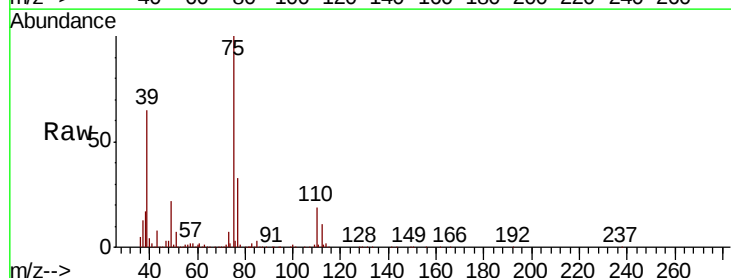
Tgt Ion: 75 Resp: 1311680

Ion Ratio Lower Upper

75 100

39 64.7 54.7 82.1

77 33.5 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.73

800000

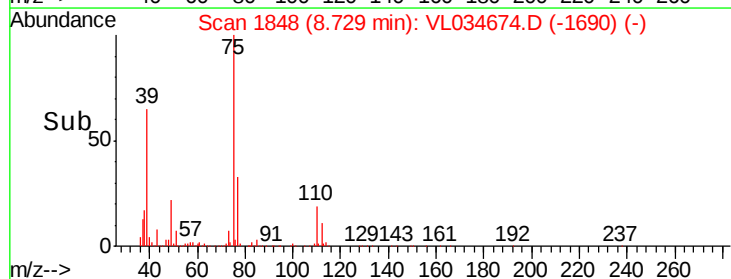
600000

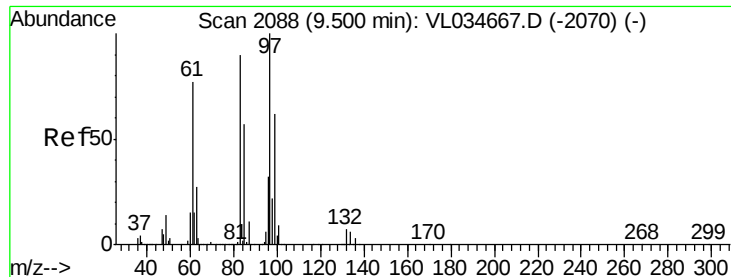
400000

200000

0

Time-->

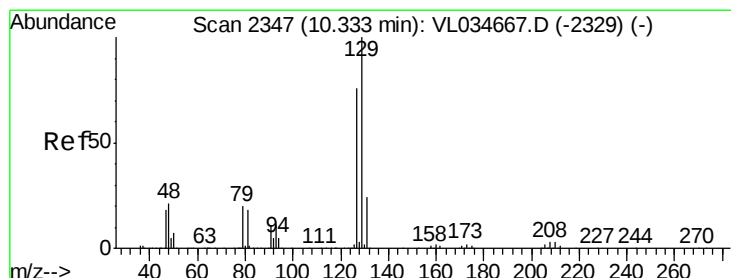
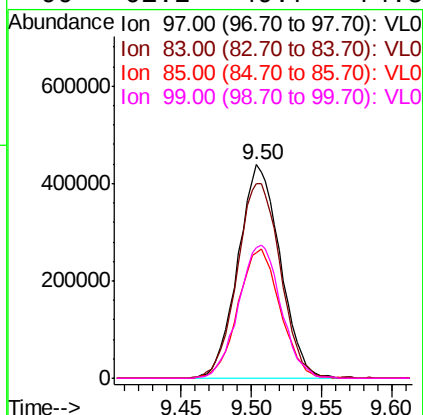
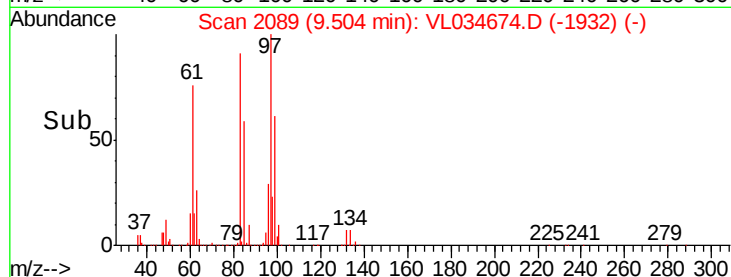
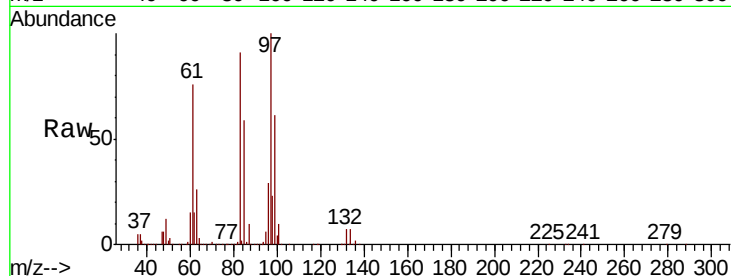




#47
 1,1,2-Trichloroethane
 Concen: 9.087 ppbv
 RT: 9.50 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

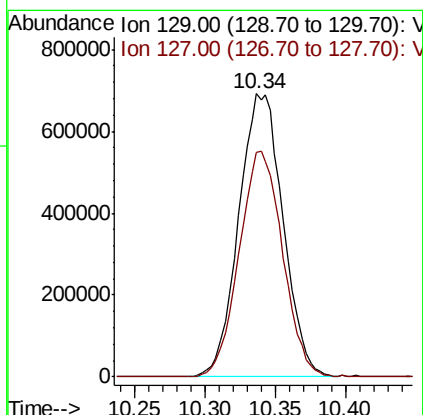
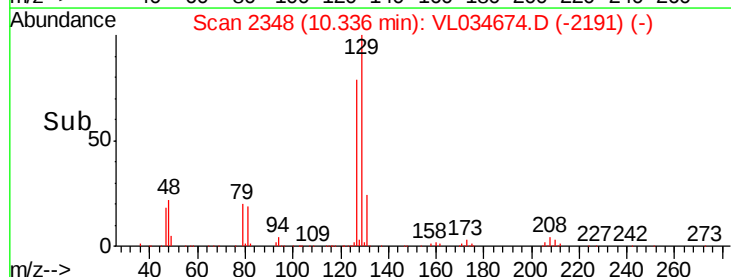
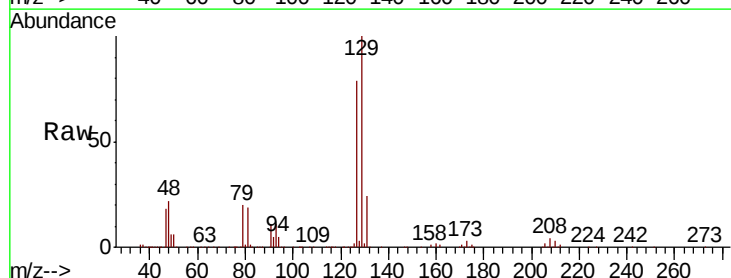
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022520

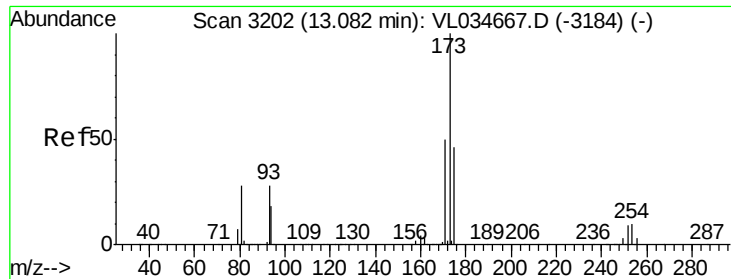
Tot Ion: 97 Resp: 917722
 Ion Ratio Lower Upper
 97 100
 83 91.1 72.3 108.5
 85 58.6 45.8 68.8
 99 61.2 49.7 74.5



#48
 Dibromochloromethane
 Concen: 9.789 ppbv
 RT: 10.34 min Scan# 2348
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Tgt Ion: 129 Resp: 1522025
 Ion Ratio Lower Upper
 129 100
 127 78.3 39.1 117.3





#49

Bromoform

Concen: 9.649 ppbv

RT: 13.09 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

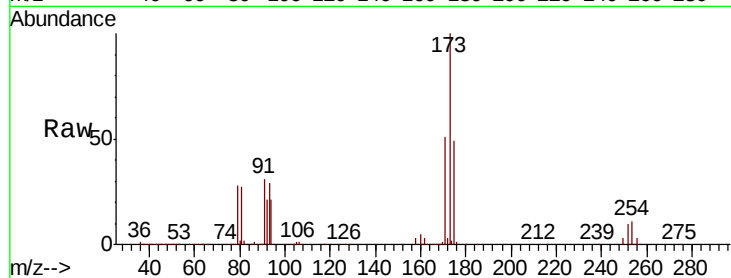
Tot Ion:173 Resp: 1313853

Ion Ratio Lower Upper

173 100

175 50.1 39.0 58.4

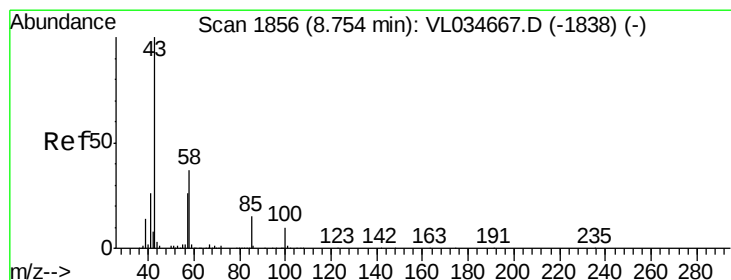
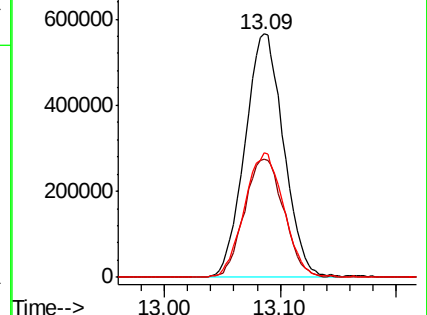
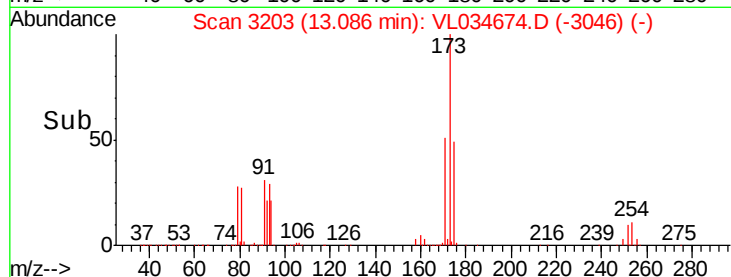
171 52.6 41.0 61.6



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.242 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VL034674.D

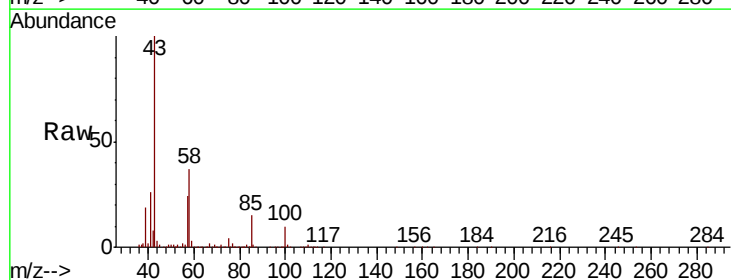
Acq: 25 Feb 2020 15:47

Tgt Ion: 43 Resp: 2552184

Ion Ratio Lower Upper

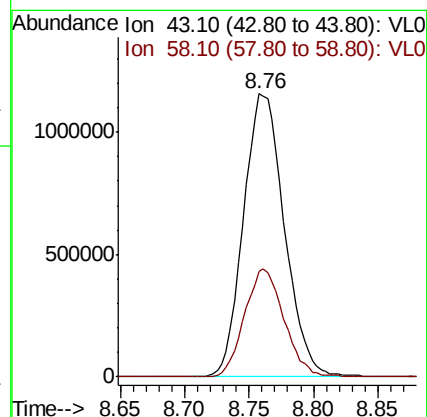
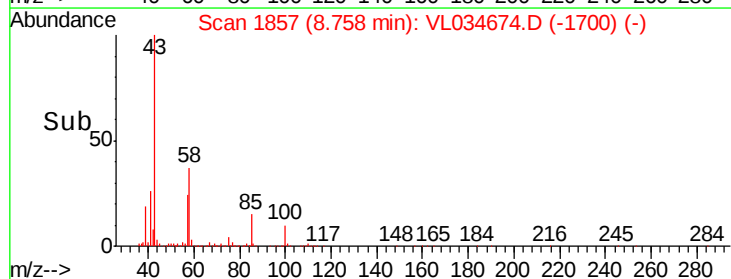
43 100

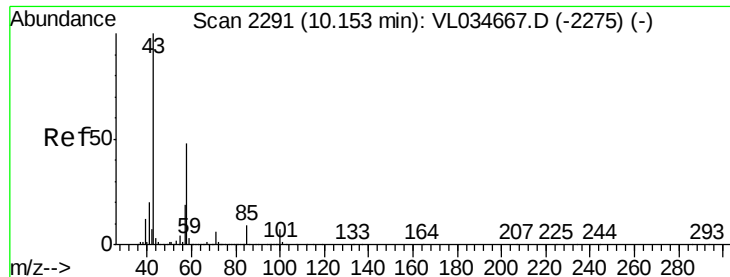
58 37.0 29.5 44.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.909 ppbv

RT: 10.16 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

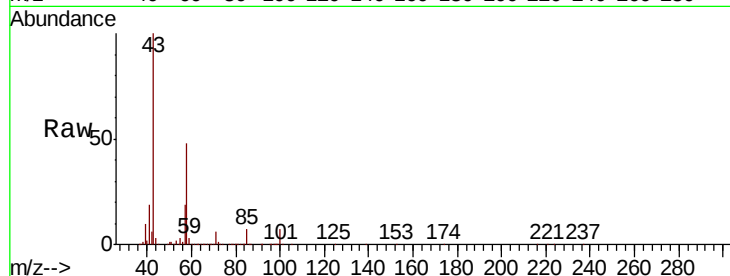
MSVOA_L

ClientSampleId :

ICVVL022520

Tot Ion: 43 Resp: 2152139

Ion	Ratio	Lower	Upper
43	100		
58	49.4	38.8	58.2
98	0.2	0.3	0.5#

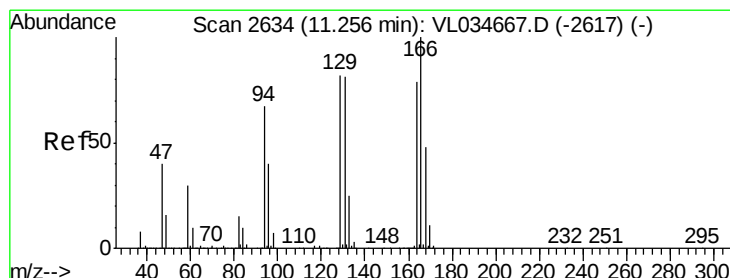
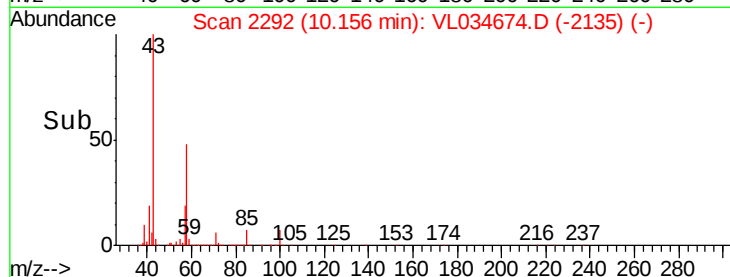
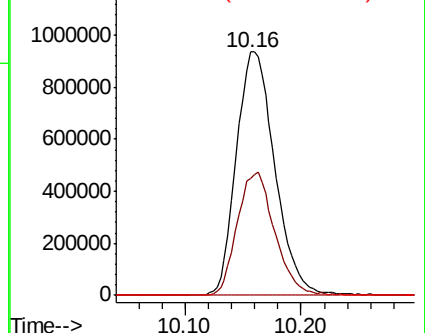


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.154 ppbv

RT: 11.26 min Scan# 2635

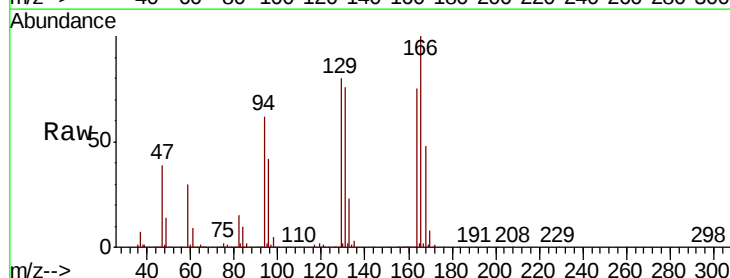
Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Tgt Ion: 164 Resp: 745838

Ion	Ratio	Lower	Upper
164	100		
166	132.8	101.4	152.2
129	106.1	83.5	125.3
131	101.8	83.0	124.4



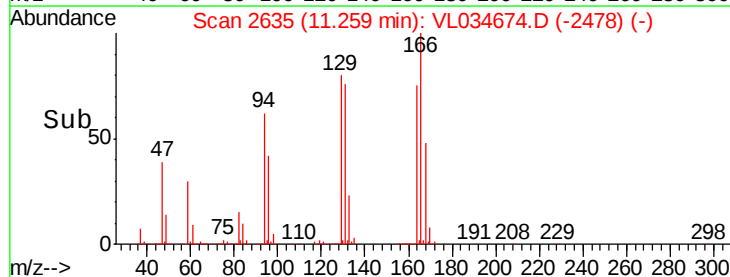
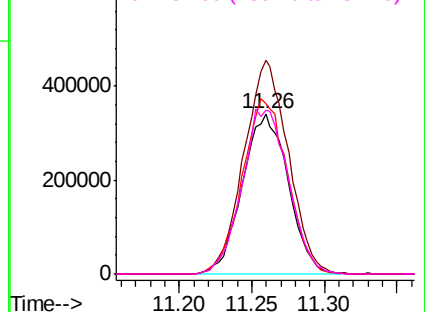
Abundance

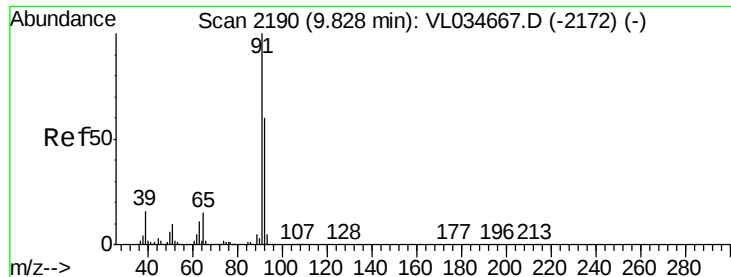
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.152 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

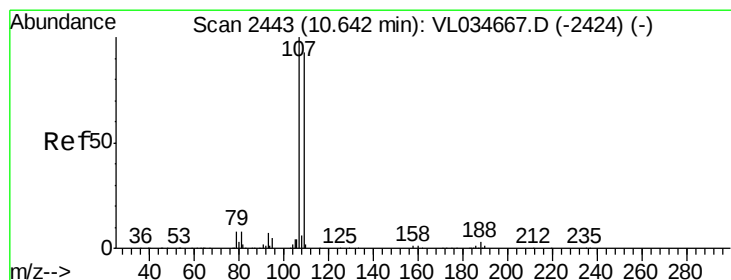
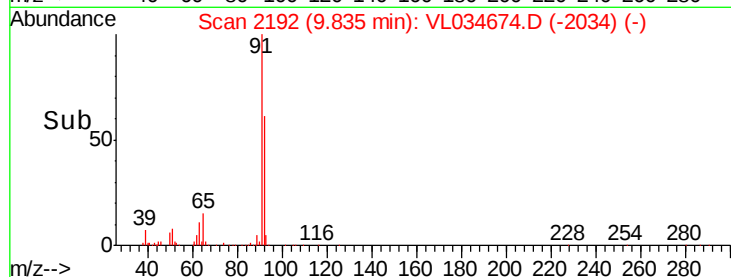
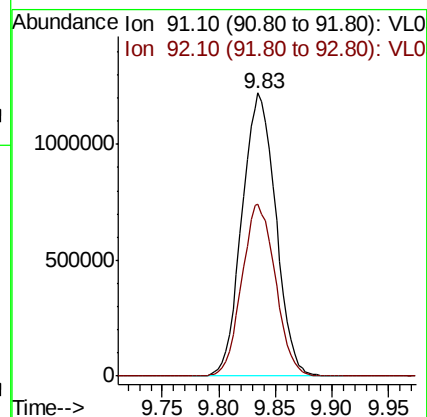
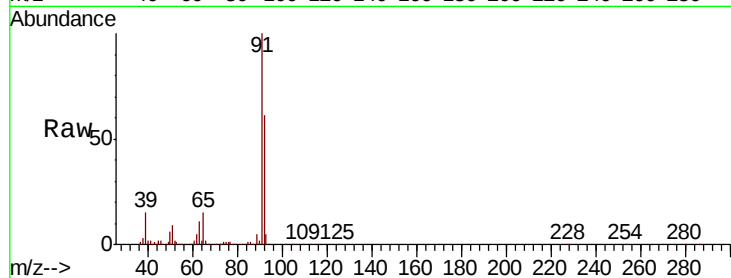
ICVVL022520

Tot Ion: 91 Resp: 2535131

Ion Ratio Lower Upper

91 100

92 60.4 48.2 72.2



#54

1,2-Dibromoethane

Concen: 9.984 ppbv

RT: 10.65 min Scan# 2445

Delta R.T. 0.01 min

Lab File: VL034674.D

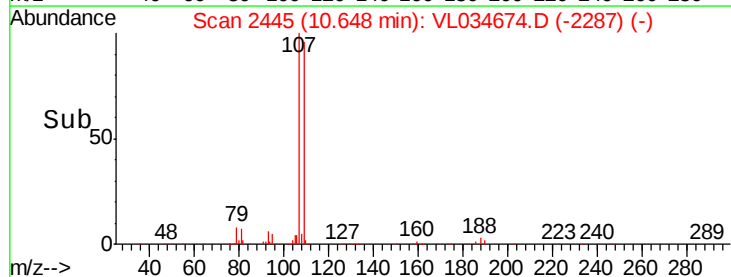
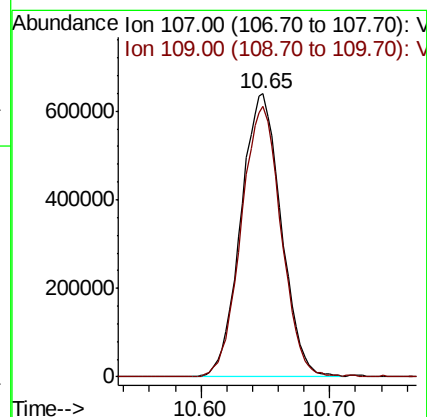
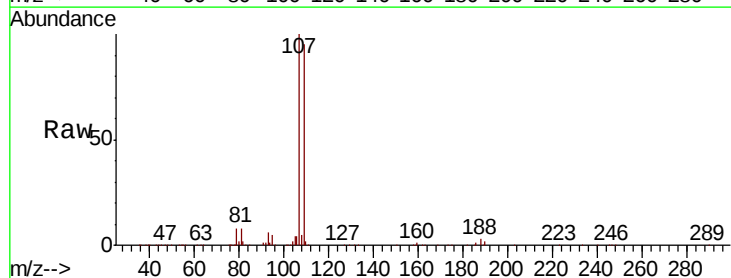
Acq: 25 Feb 2020 15:47

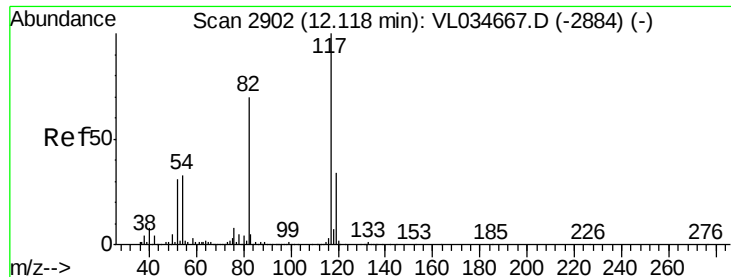
Tgt Ion: 107 Resp: 1392398

Ion Ratio Lower Upper

107 100

109 95.4 74.2 111.4

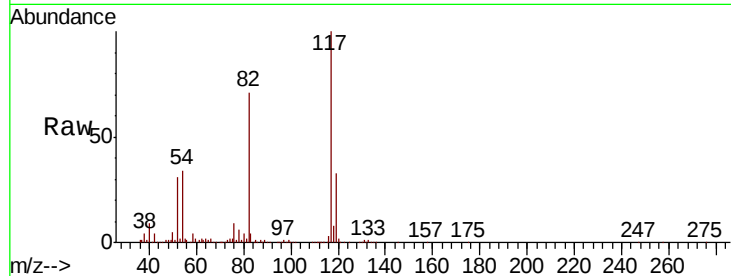




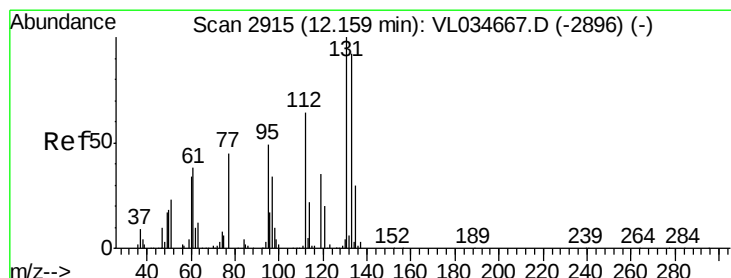
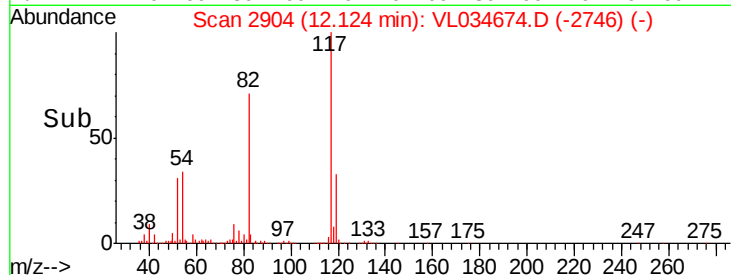
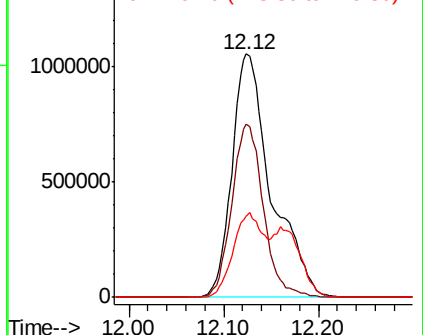
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.01 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022520

Tot Ion:117 Resp: 3045833
Ion Ratio Lower Upper
117 100
82 57.4 54.2 81.4
119 47.6 44.2 66.2

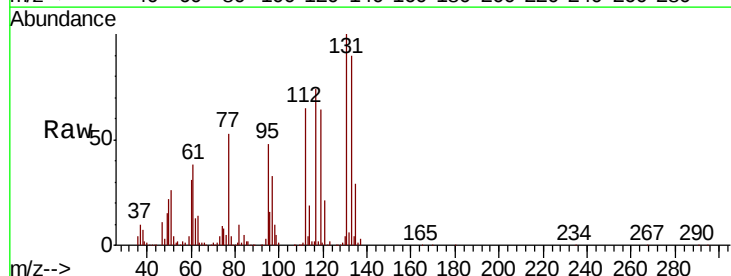


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

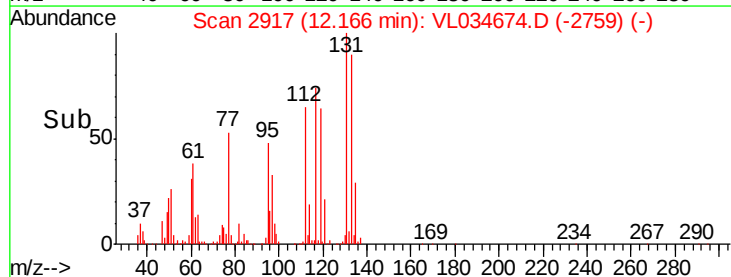
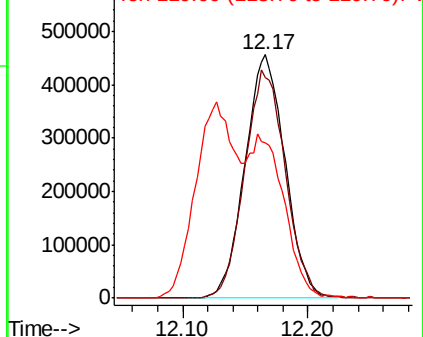


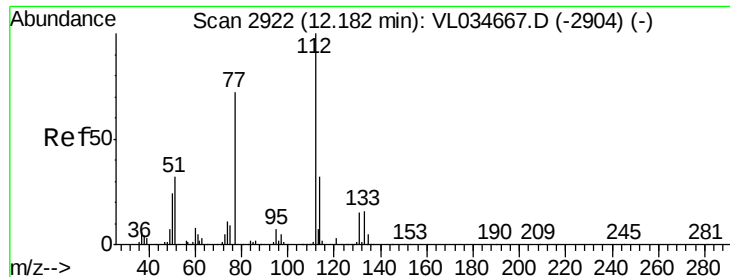
#56
1,1,1,2-Tetrachloroethane
Concen: 7.592 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. 0.01 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Tgt Ion:131 Resp: 1011190
Ion Ratio Lower Upper
131 100
133 95.8 77.0 115.4
119 143.4 114.8 172.2



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V

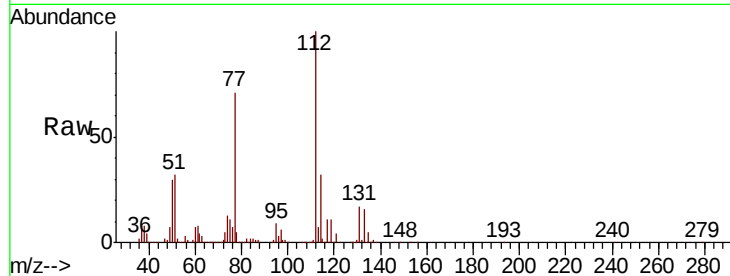




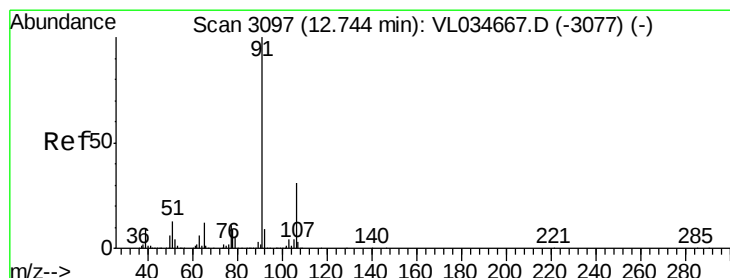
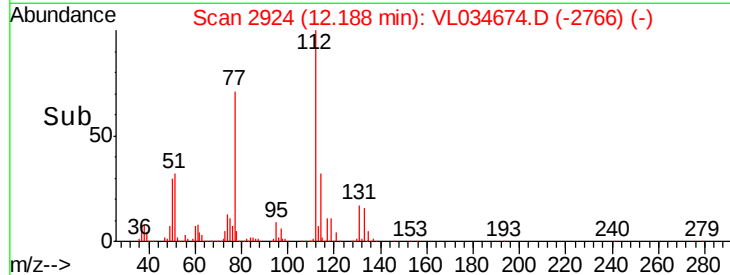
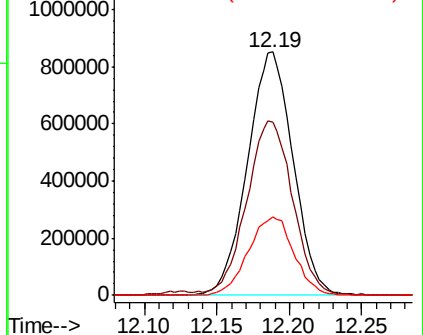
#57
Chlorobenzene
Concen: 7.262 ppbv
RT: 12.19 min Scan# 2924
Delta R.T. 0.01 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022520

Tot Ion:112 Resp: 1853980
Ion Ratio Lower Upper
112 100
77 70.2 58.9 88.3
114 32.5 29.1 35.5

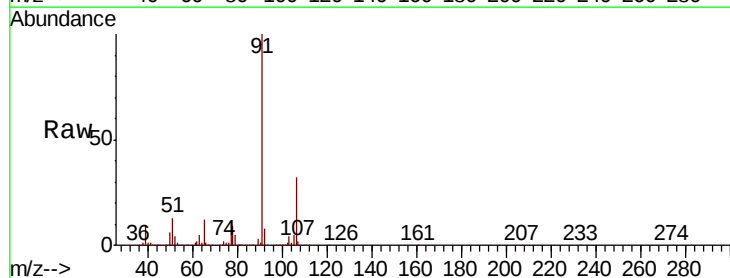


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

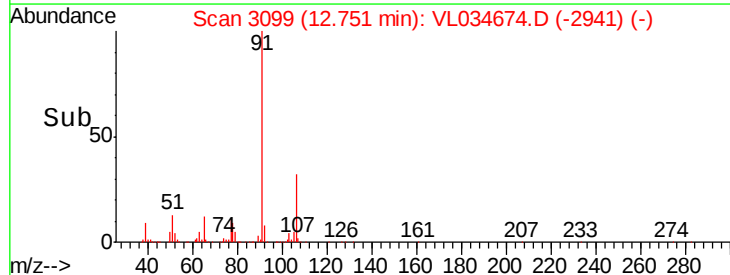
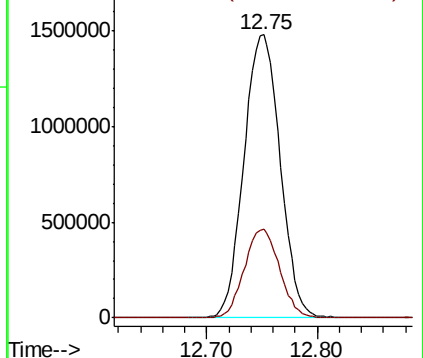


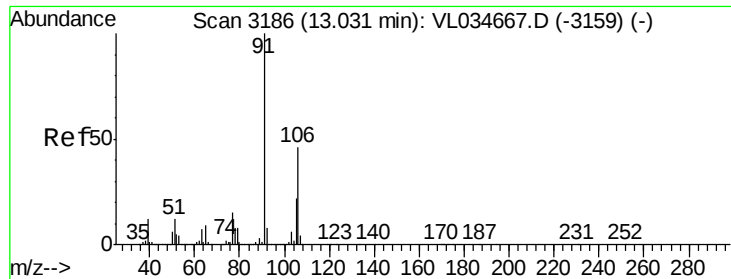
#58
Ethyl Benzene
Concen: 8.180 ppbv
RT: 12.75 min Scan# 3099
Delta R.T. 0.01 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Tgt Ion: 91 Resp: 3369137
Ion Ratio Lower Upper
91 100
106 31.5 24.6 36.8



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 5.901 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

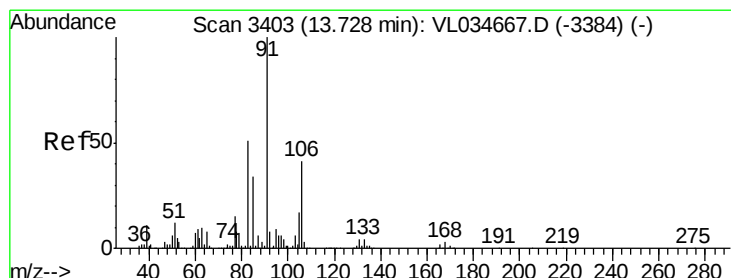
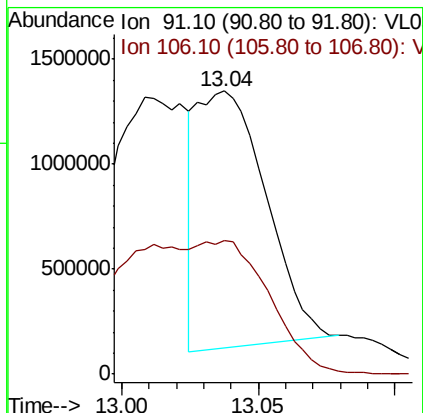
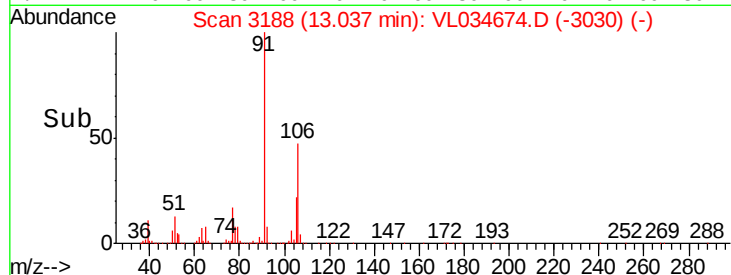
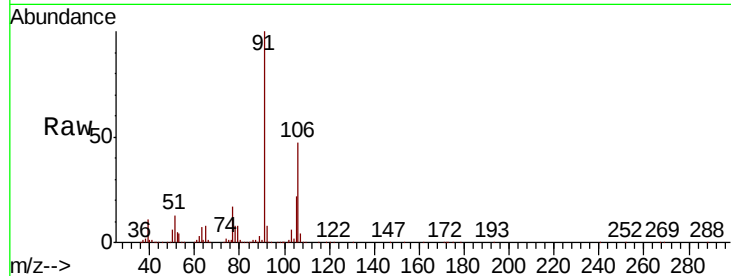
ICVVL022520

Tot Ion: 91 Resp: 2127068

Ion Ratio Lower Upper

91 100

106 118.3 35.9 53.9#



#60

o-Xylene

Concen: 7.603 ppbv

RT: 13.74 min Scan# 3405

Delta R.T. 0.01 min

Lab File: VL034674.D

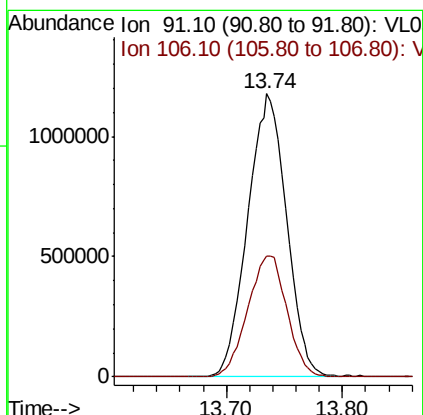
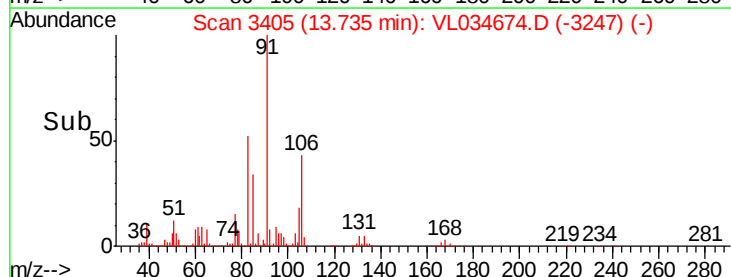
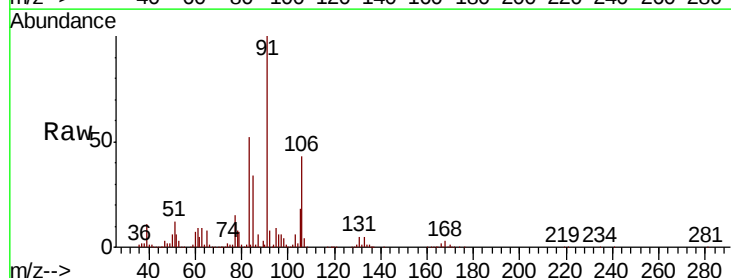
Acq: 25 Feb 2020 15:47

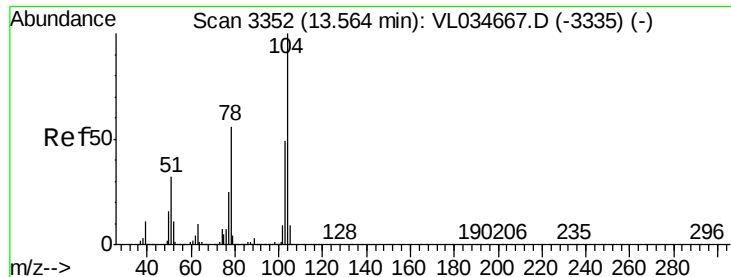
Tgt Ion: 91 Resp: 2738469

Ion Ratio Lower Upper

91 100

106 43.3 22.1 66.1





#61

Stvrene

Concen: 8.359 ppbv

RT: 13.57 min Scan# 3354

Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

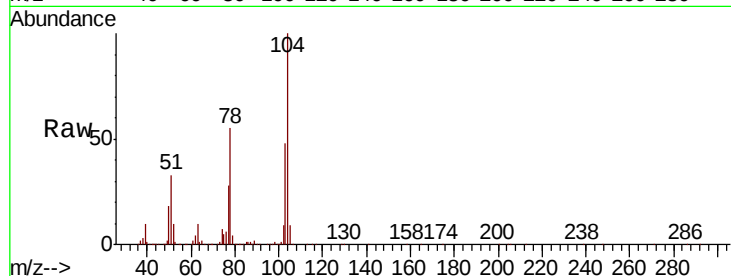
Tot Ion:104 Resp: 2086086

Ion Ratio Lower Upper

104 100

78 55.7 44.9 67.3

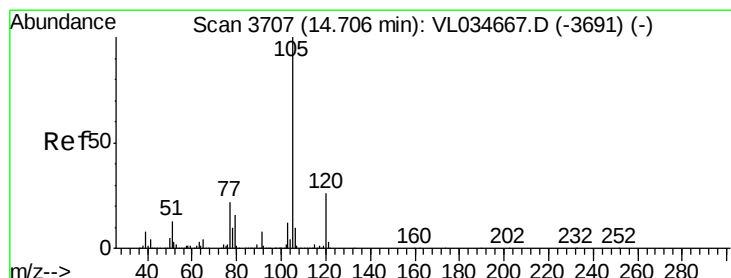
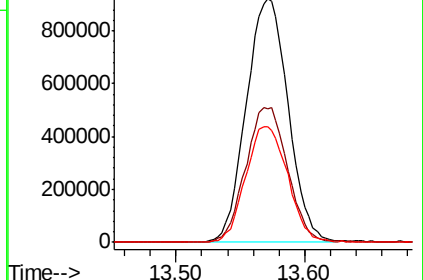
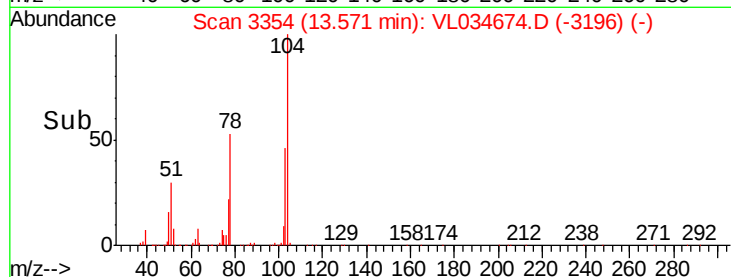
103 47.9 38.5 57.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.834 ppbv

RT: 14.71 min Scan# 3709

Delta R.T. 0.01 min

Lab File: VL034674.D

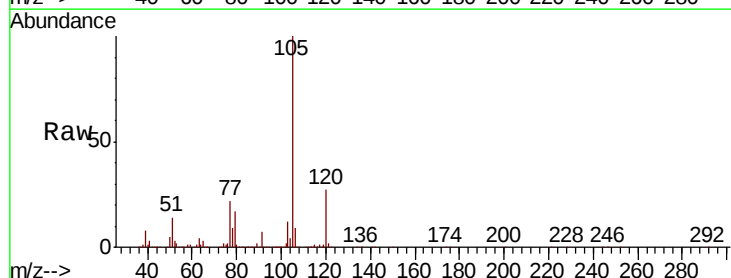
Acq: 25 Feb 2020 15:47

Tgt Ion:105 Resp: 3667558

Ion Ratio Lower Upper

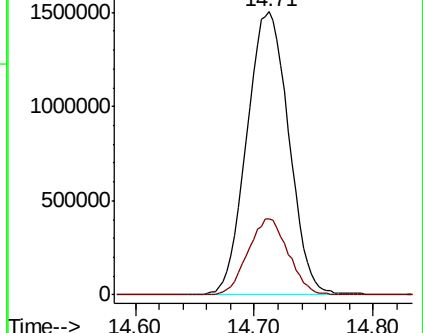
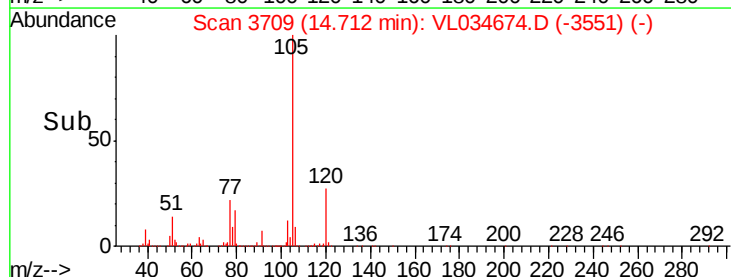
105 100

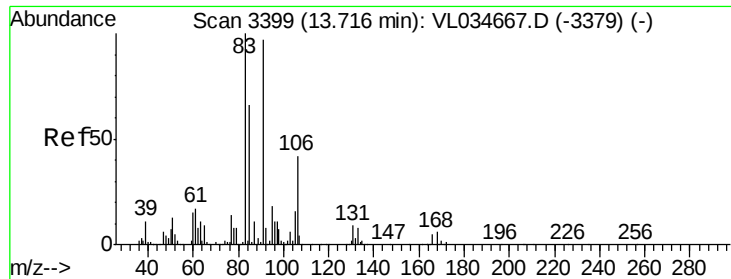
120 26.0 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

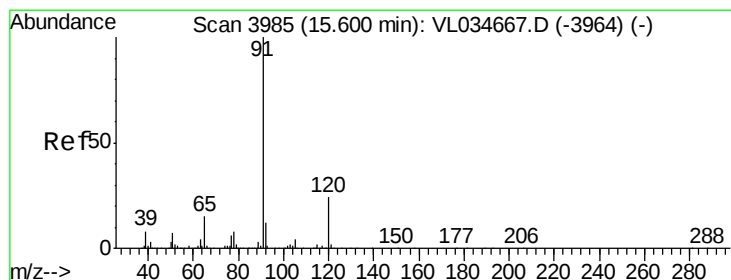
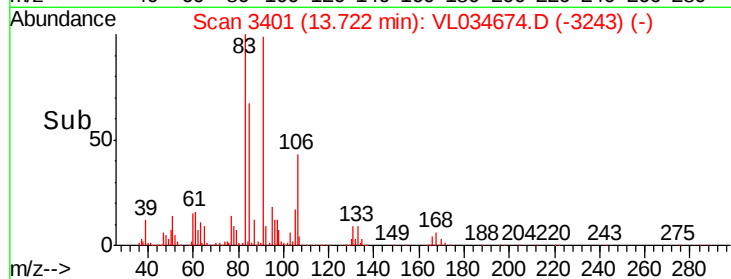
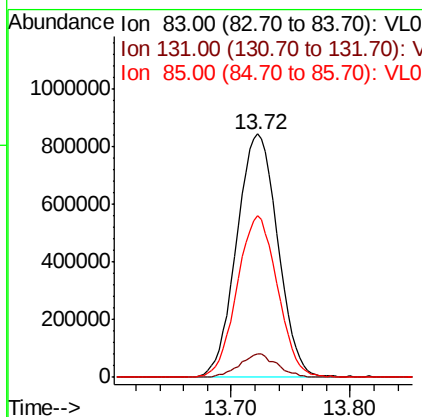
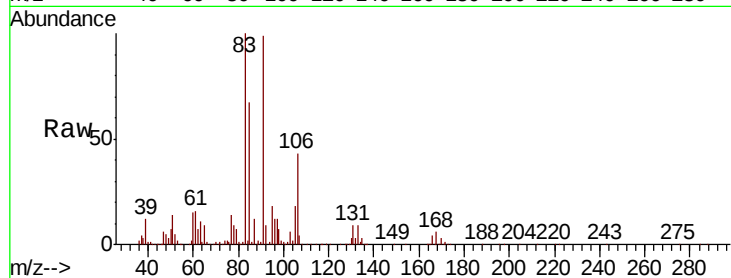




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.087 ppbv
 RT: 13.72 min Scan# 3401
 Delta R.T. 0.01 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

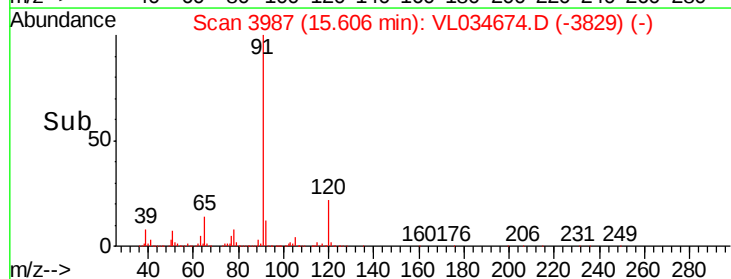
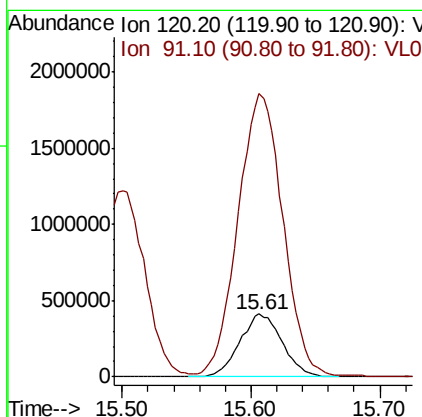
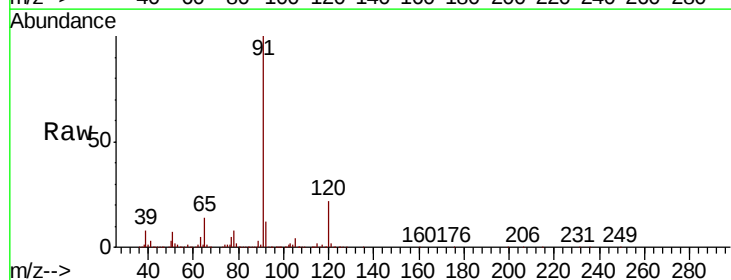
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022520

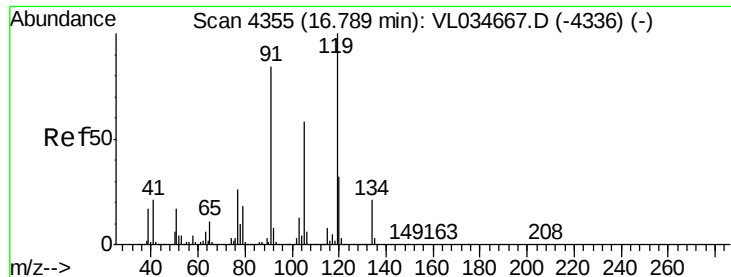
Tot Ion: 83 Resp: 2017496
 Ion Ratio Lower Upper
 83 100
 131 8.8 4.5 13.4
 85 65.4 32.6 98.0



#64
 n-propylbenzene
 Concen: 8.003 ppbv
 RT: 15.61 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Tgt Ion:120 Resp: 949041
 Ion Ratio Lower Upper
 120 100
 91 478.2 375.9 563.9





#65

tert-Butylbenzene

Concen: 7.891 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

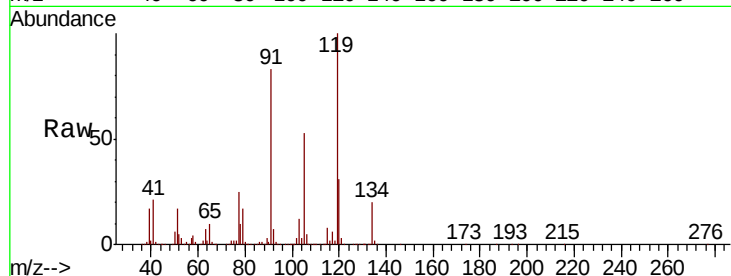
Tot Ion:119 Resp: 3225926

Ion Ratio Lower Upper

119 100

91 86.4 68.9 103.3

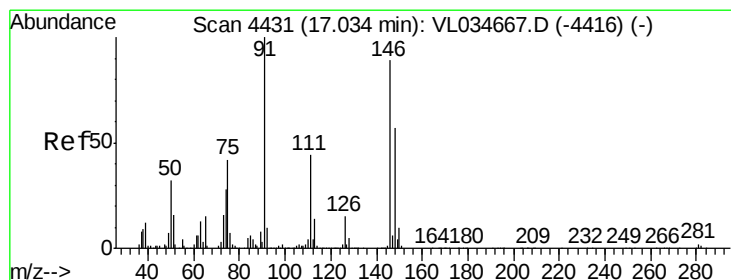
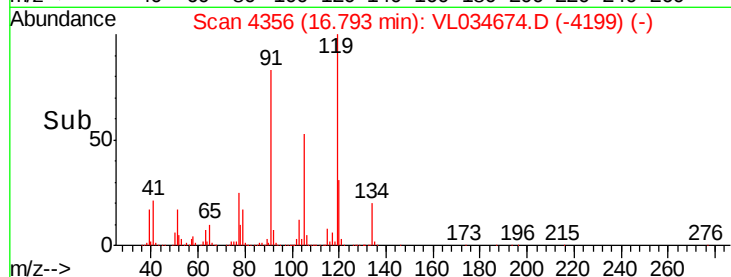
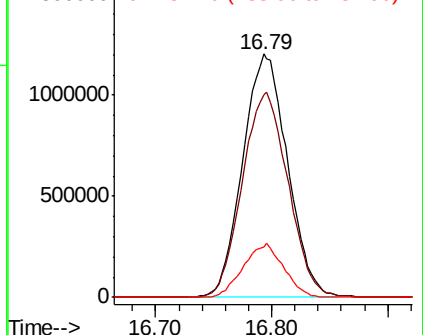
134 20.0 15.6 23.4



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.882 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

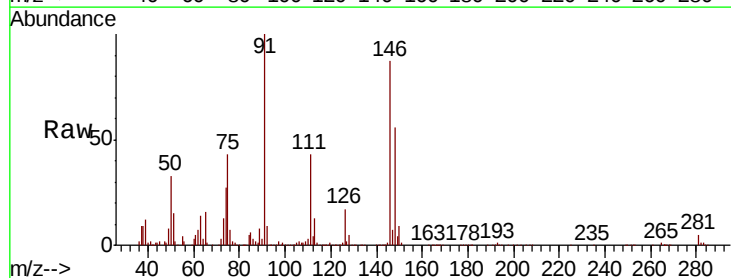
Tgt Ion: 91 Resp: 1550327

Ion Ratio Lower Upper

91 100

126 16.2 13.3 19.9

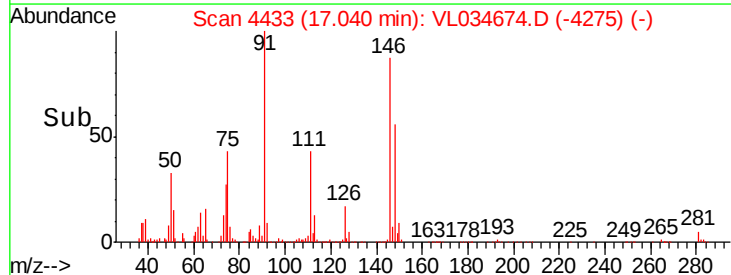
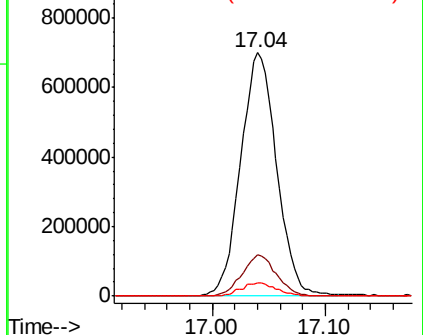
128 5.3 4.2 6.2

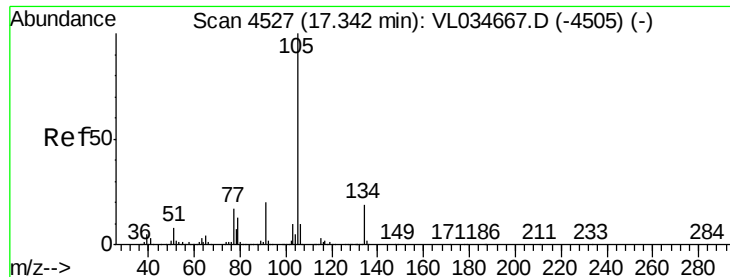


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

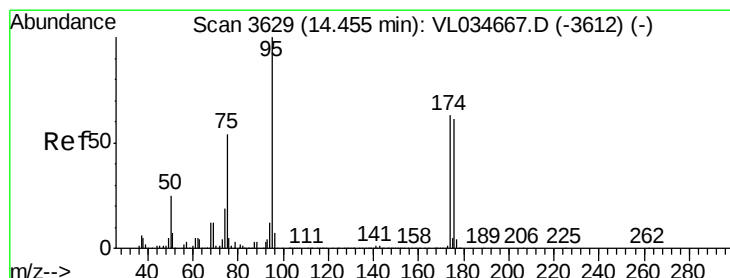
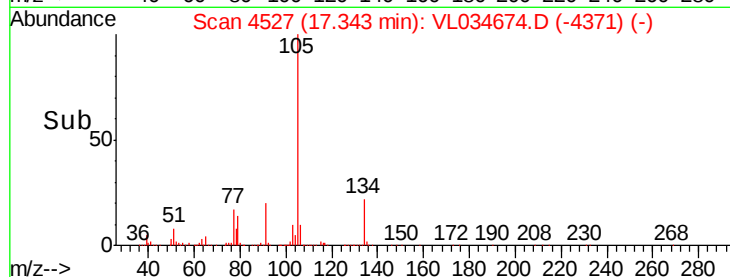
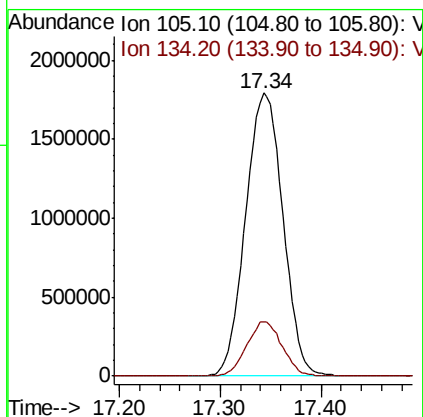
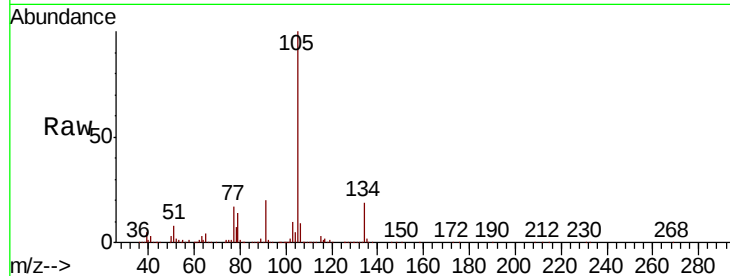




#67
 sec-Butylbenzene
 Concen: 7.900 ppbv
 RT: 17.34 min Scan# 4527
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

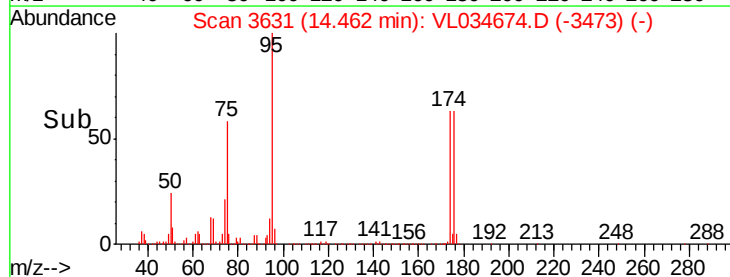
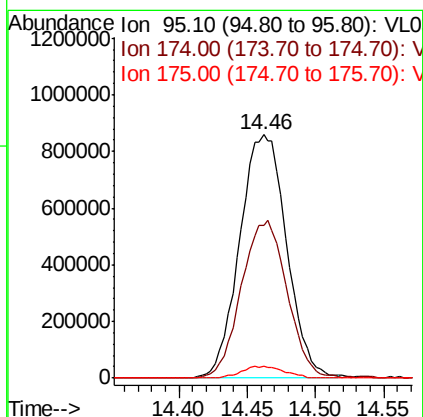
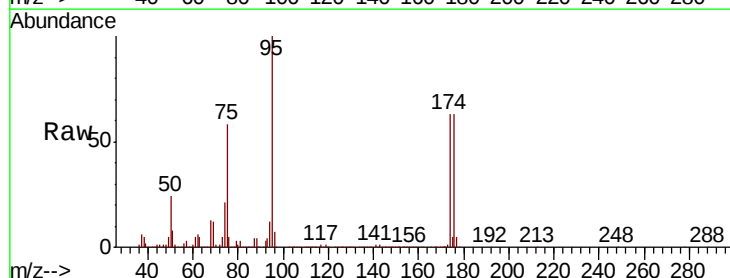
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022520

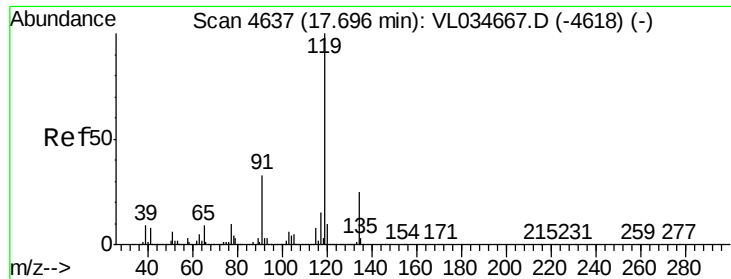
Tot Ion:105 Resp: 4599104
 Ion Ratio Lower Upper
 105 100
 134 18.4 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.158 ppbv
 RT: 14.46 min Scan# 3631
 Delta R.T. 0.01 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Tgt Ion: 95 Resp: 2044501
 Ion Ratio Lower Upper
 95 100
 174 63.9 51.2 76.8
 175 4.6 3.8 5.6





#69

p-Isopropyltoluene

Concen: 8.139 ppbv

RT: 17.70 min Scan# 4639

Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

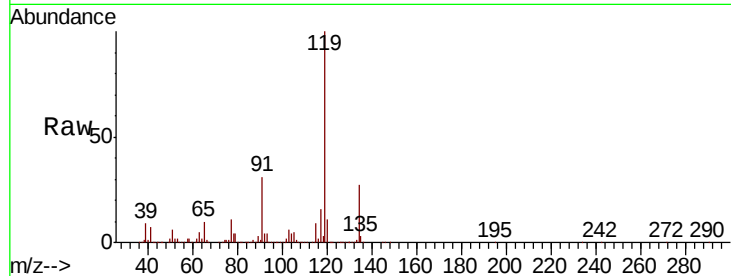
Tot Ion:119 Resp: 3752668

Ion Ratio Lower Upper

119 100

134 26.3 20.6 31.0

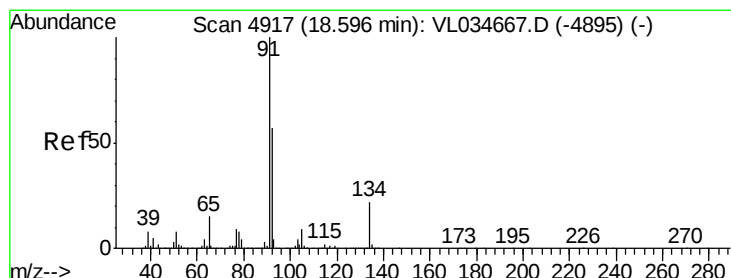
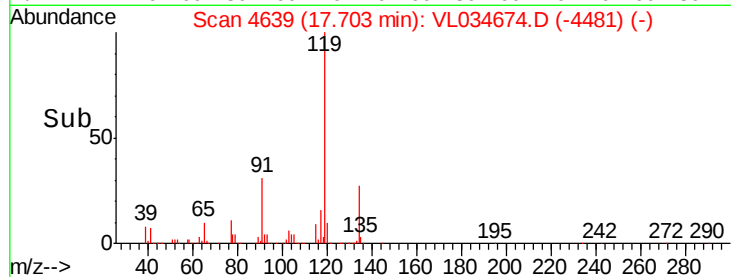
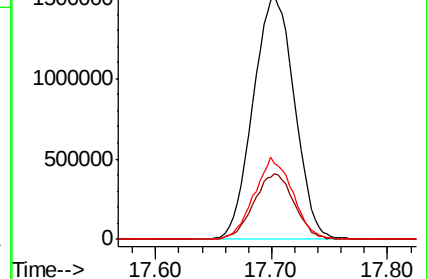
91 31.3 25.3 37.9



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 8.192 ppbv

RT: 18.60 min Scan# 4918

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

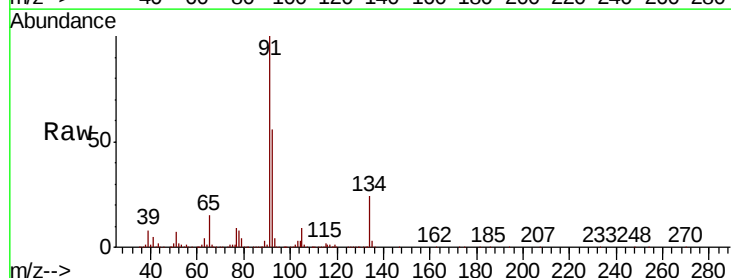
Tgt Ion: 91 Resp: 4022738

Ion Ratio Lower Upper

91 100

92 54.9 44.0 66.0

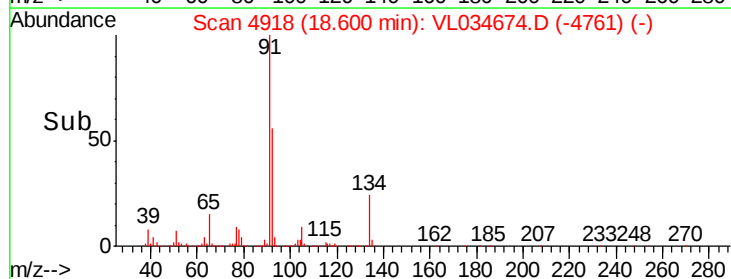
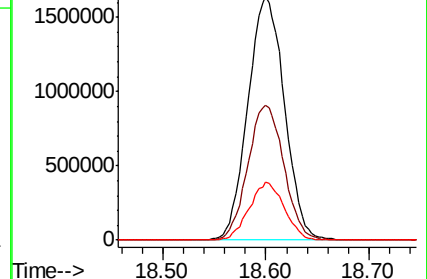
134 22.8 17.6 26.4

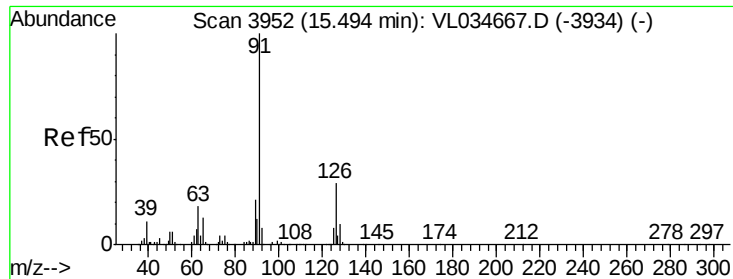


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V

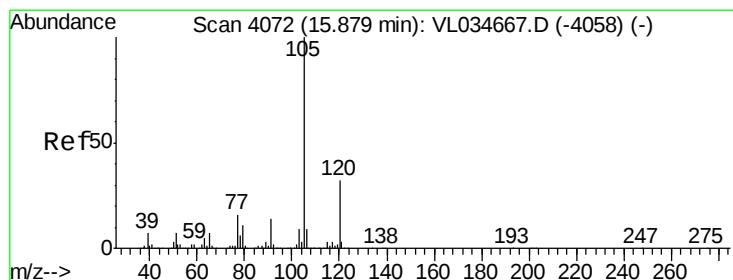
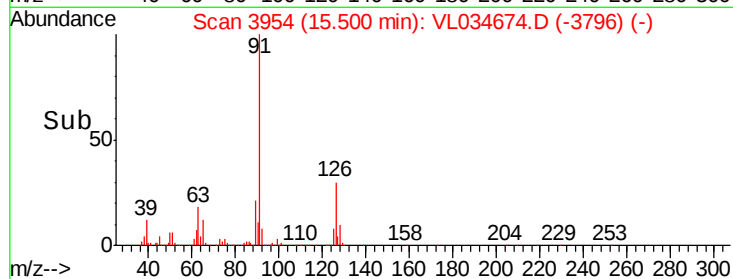
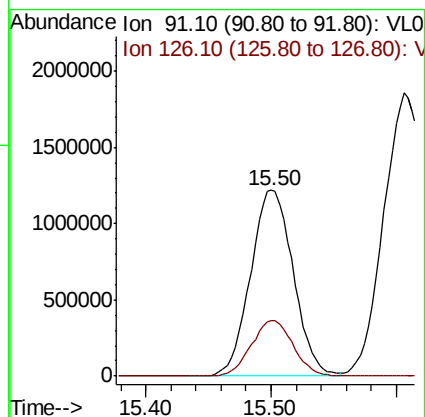
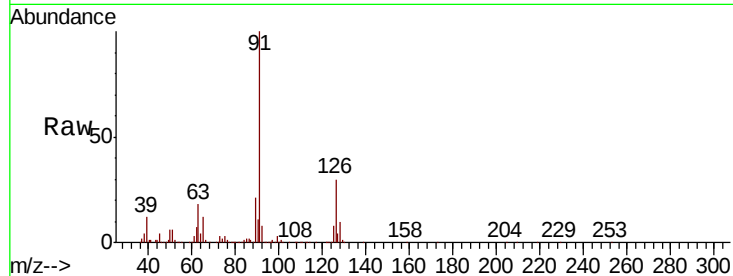




#71
 2-Chlorotoluene
 Concen: 8.073 ppbv
 RT: 15.50 min Scan# 3954
 Delta R.T. 0.01 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

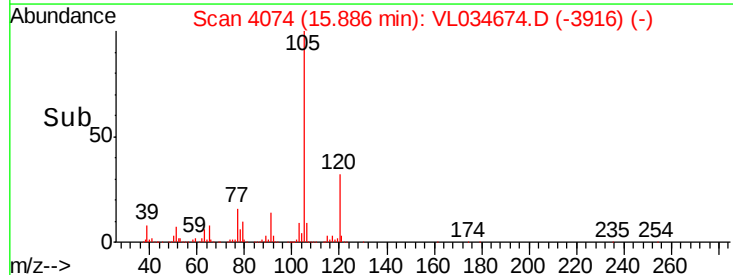
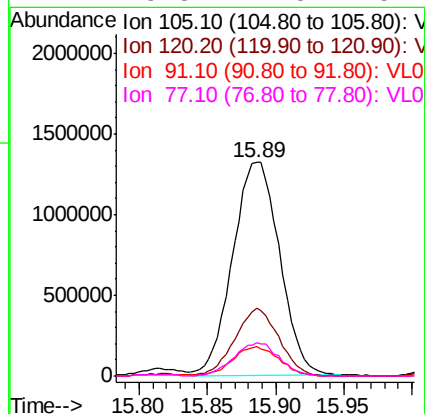
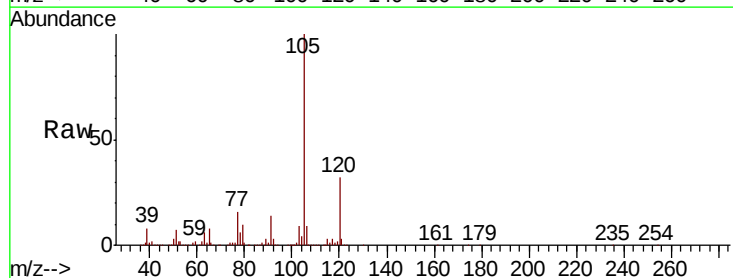
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022520

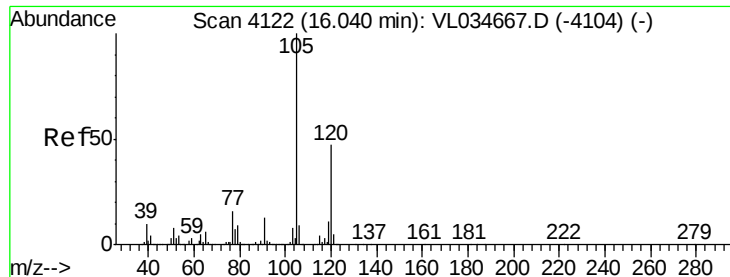
Tot Ion: 91 Resp: 2893428
 Ion Ratio Lower Upper
 91 100
 126 29.4 11.8 47.0



#72
 4-Ethyltoluene
 Concen: 7.971 ppbv
 RT: 15.89 min Scan# 4074
 Delta R.T. 0.01 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Tgt Ion: 105 Resp: 3159955
 Ion Ratio Lower Upper
 105 100
 120 30.6 23.2 34.8
 91 13.7 10.9 16.3
 77 15.3 12.5 18.7





#73

1,3,5-Trimethylbenzene

Concen: 8.080 ppbv

RT: 16.04 min Scan# 4122

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

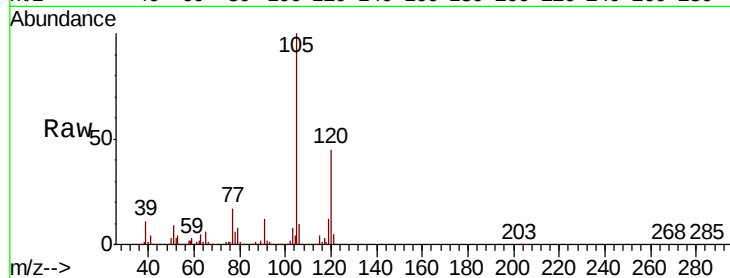
ICVVL022520

Tot Ion:105 Resp: 3042268

Ion Ratio Lower Upper

105 100

120 45.3 37.2 55.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.04

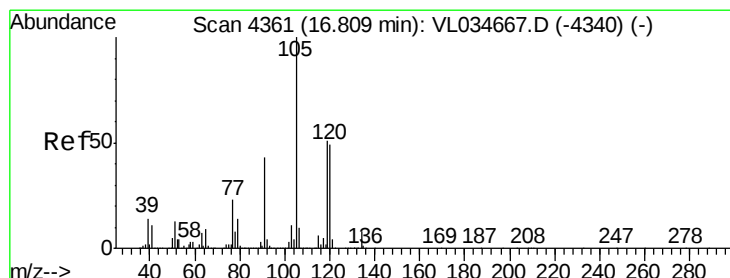
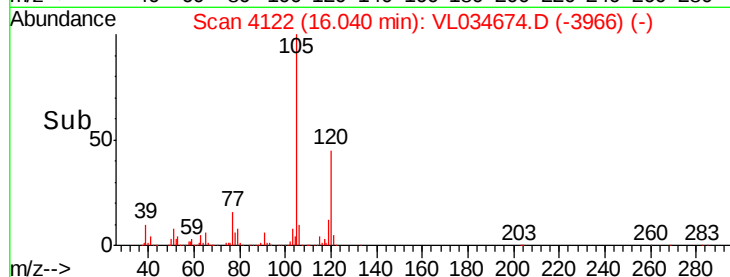
1000000

500000

0

Time-->

16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 7.662 ppbv

RT: 16.81 min Scan# 4362

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Tgt Ion:105 Resp: 3098061

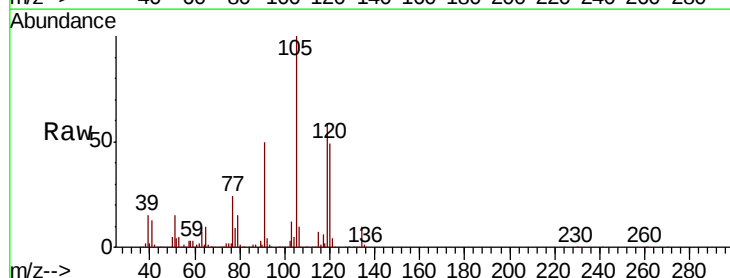
Ion Ratio Lower Upper

105 100

120 49.1 39.4 59.0

91 49.8 35.1 52.7

77 23.8 18.8 28.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2000000

1500000

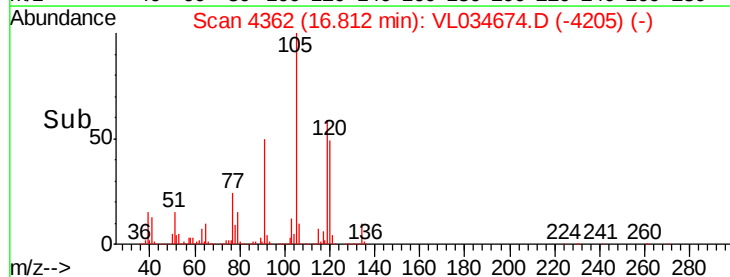
1000000

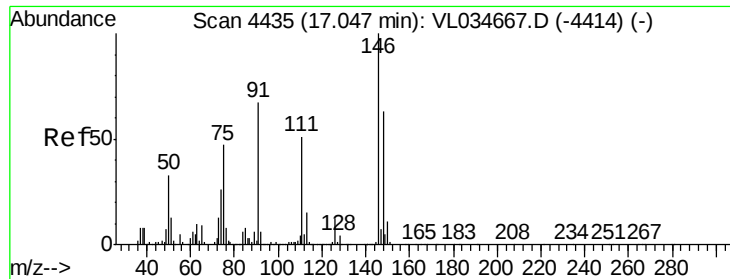
500000

0

Time-->

16.70 16.80 16.90





#75

1,3-Dichlorobenzene

Concen: 7.264 ppbv

RT: 17.05 min Scan# 4435

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

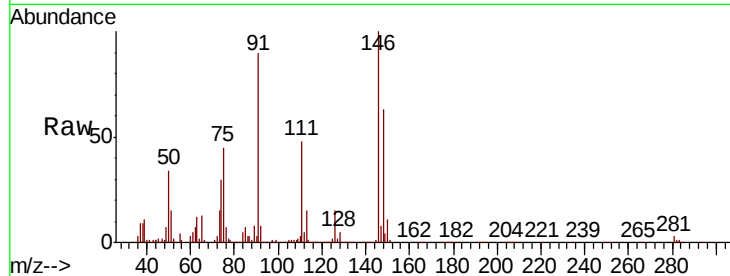
Tot Ion:146 Resp: 1718565

Ion Ratio Lower Upper

146 100

111 48.6 24.0 72.0

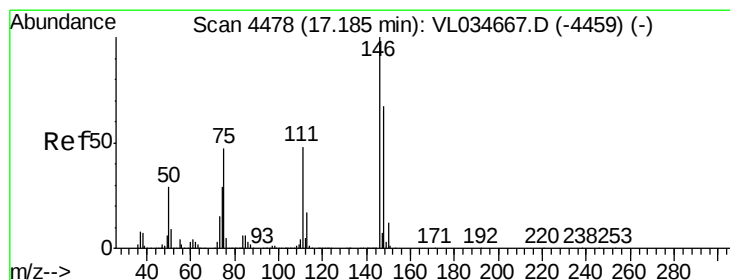
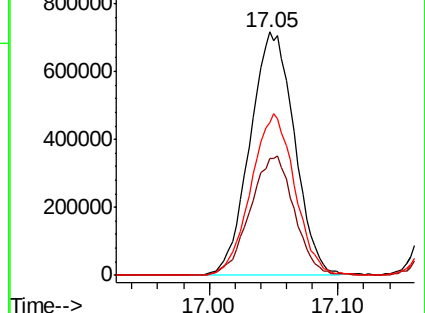
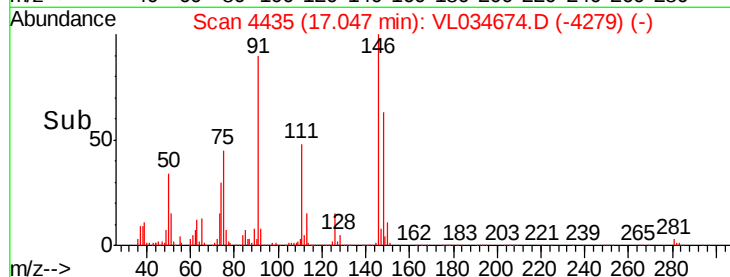
148 65.1 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.393 ppbv

RT: 17.19 min Scan# 4480

Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

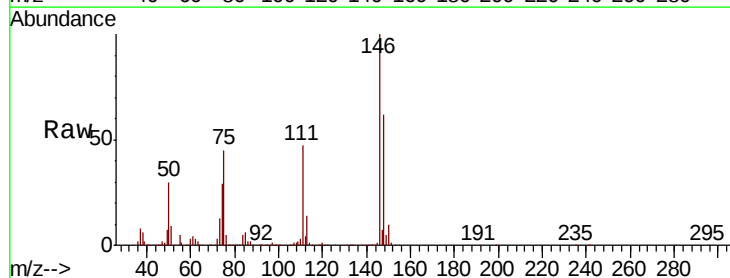
Tgt Ion:146 Resp: 1722844

Ion Ratio Lower Upper

146 100

111 46.8 23.8 71.2

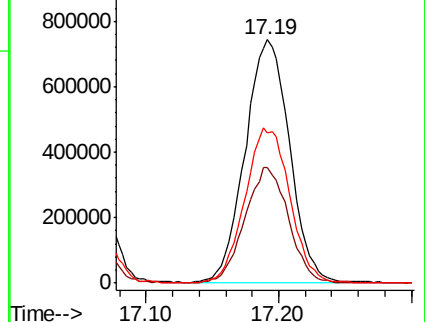
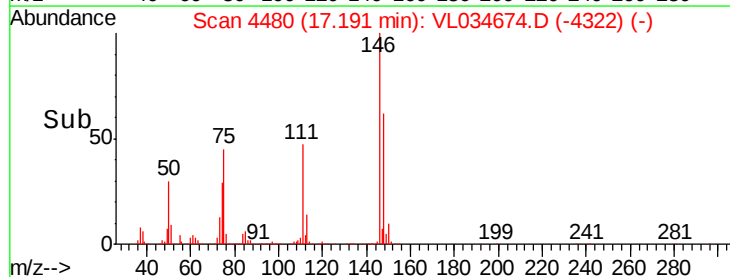
148 65.4 32.3 96.9

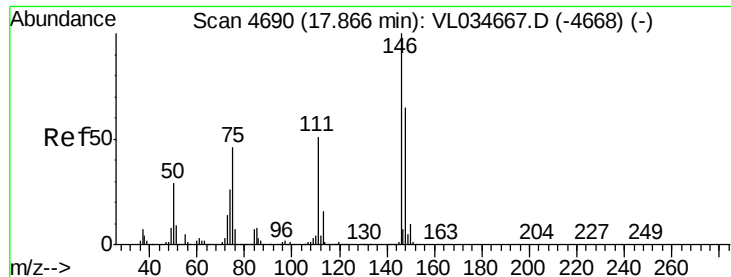


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.595 ppbv

RT: 17.87 min Scan# 4691

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

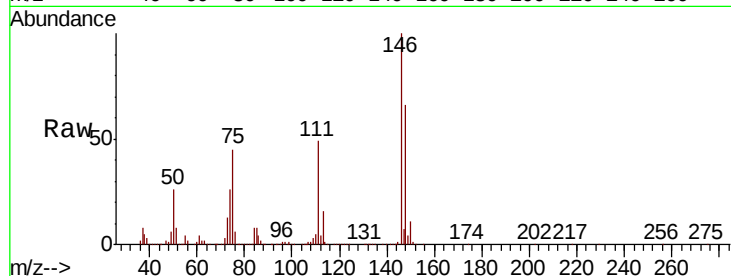
Tot Ion:146 Resp: 1724930

Ion Ratio Lower Upper

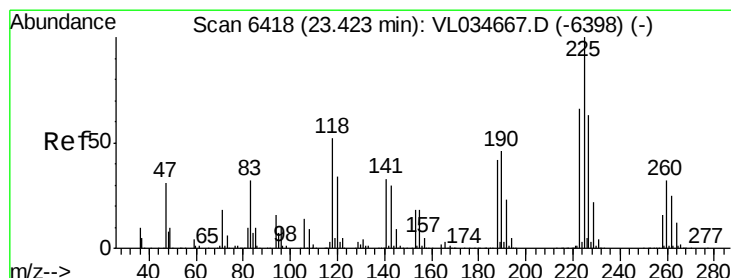
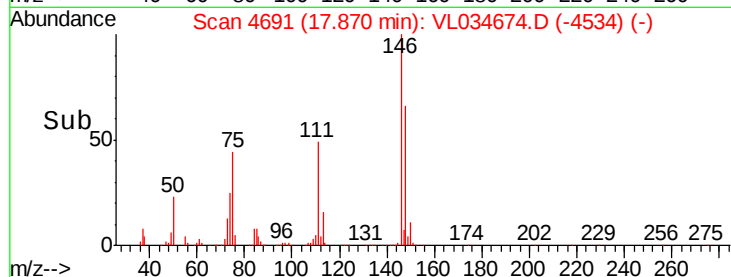
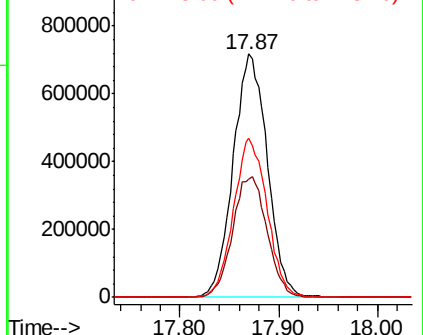
146 100

111 50.2 24.9 74.7

148 64.2 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.395 ppbv

RT: 23.43 min Scan# 6421

Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

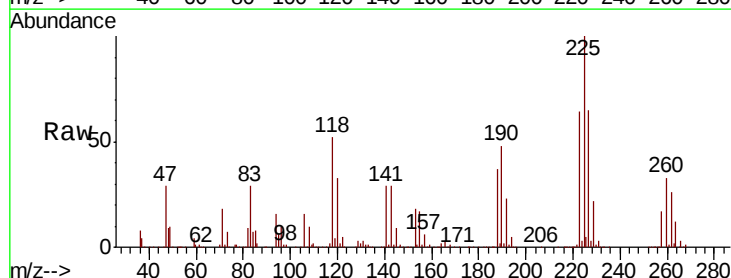
Tgt Ion:225 Resp: 1355801

Ion Ratio Lower Upper

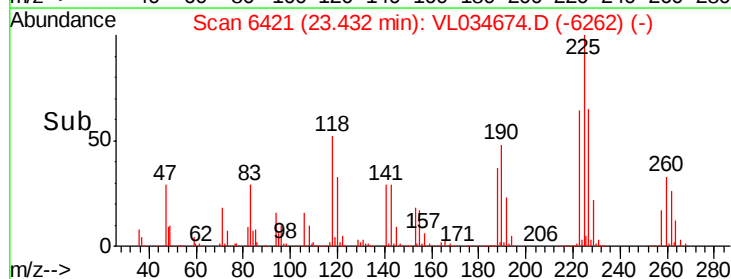
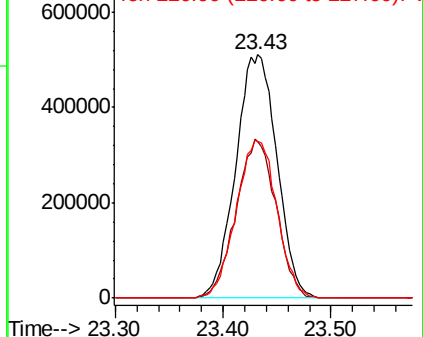
225 100

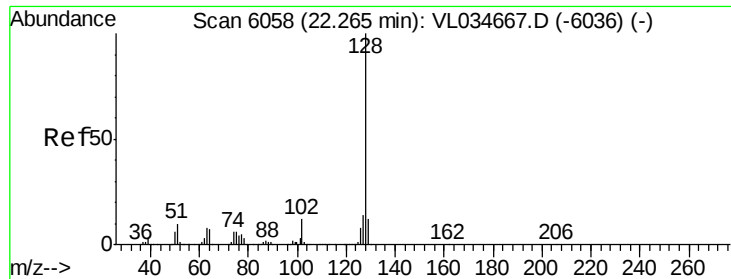
223 63.3 50.4 75.6

227 64.1 51.8 77.8



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.316 ppbv

RT: 22.27 min Scan# 6059

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

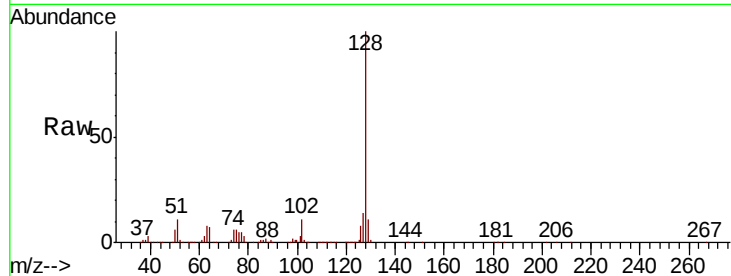
Tot Ion:128 Resp: 2806292

Ion Ratio Lower Upper

128 100

127 13.6 11.0 16.4

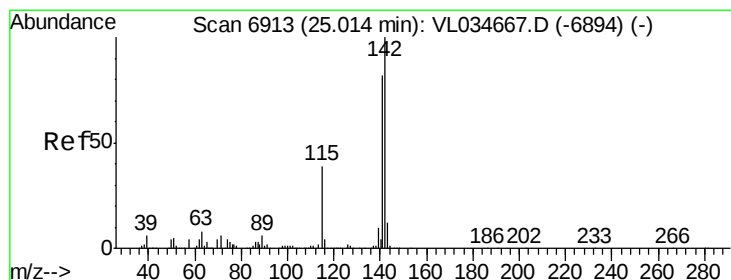
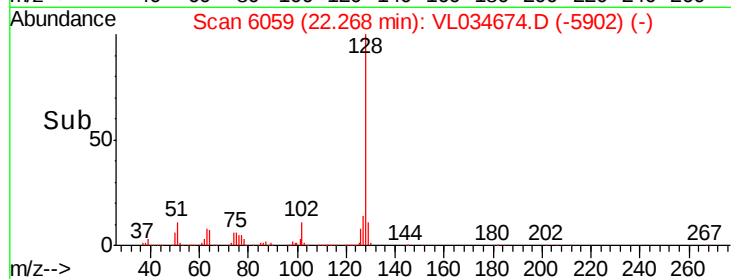
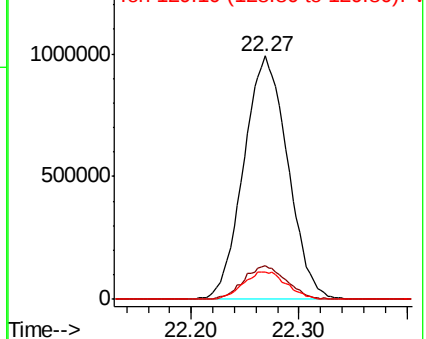
129 11.3 9.5 14.3



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 14.824 ppbv

RT: 25.02 min Scan# 6915

Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

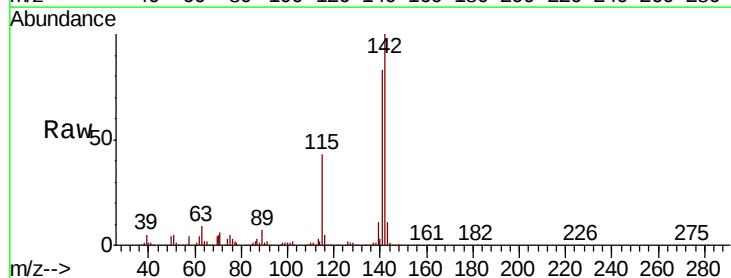
Tgt Ion:142 Resp: 933574

Ion Ratio Lower Upper

142 100

141 83.5 68.1 102.1

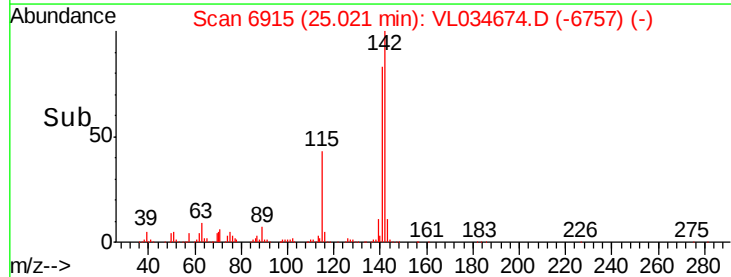
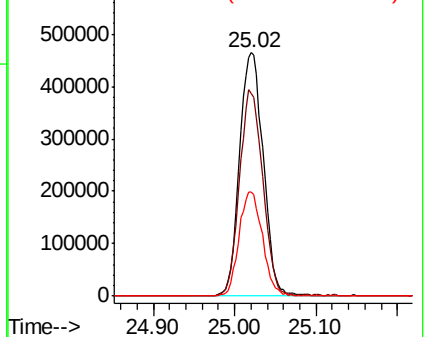
115 42.3 31.0 46.6

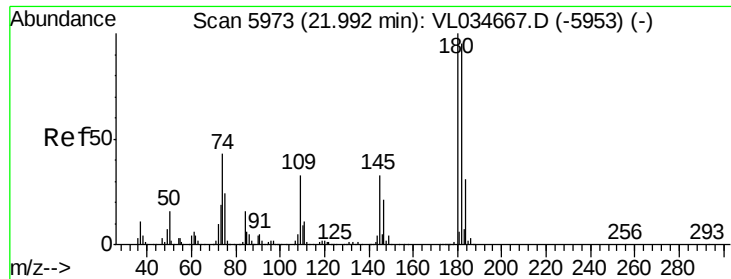


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.055 ppbv
 RT: 22.00 min Scan# 5975
 Delta R.T. 0.01 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022520

Tot Ion:180 Resp: 1478116
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.7 116.5
 184 30.5 25.3 37.9

